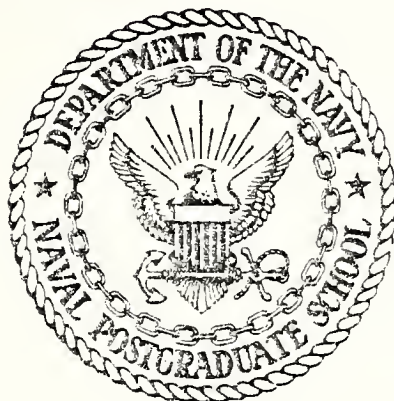


IMPROVED CONFIDENCE INTERVALS FOR THE RATIO
OF THE VARIANCES AND STANDARD DEVIATIONS
FROM TWO NORMAL POPULATIONS

Jeffrey Warren Clouse

NAVAL POSTGRADUATE SCHOOL

Monterey, California



THESIS

Improved Confidence Intervals for
the Ratio of the Variances and
Standard Deviations from Two
Normal Populations

by

Jeffrey Warren Clouse

December 1978

Thesis Advisor:

Robert R. Read

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Characteristics and improved performance of the alternative confidence intervals are discussed in detail and illustrated graphically, with an emphasis on the optimal distribution of complementary tail area between the upper and lower tails.

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of the Variances and Standard Deviations
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by

Jeffrey Warren Clouse
Captain, United States Army
B.S., Ohio State University, 1972

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I. INTRODUCTION

A. PURPOSE

The purpose of this thesis is to provide tables to facilitate the construction of optimal confidence intervals for the ratio of the variances of random samples drawn from two independent normal populations. This thesis also discusses the characteristics of these intervals. The discussion is restricted to the classes of confidence intervals which are computed from the sums of the squared deviations of the observations from their means.

Scheffé [2] studied analytic properties of this question in 1942. This thesis is an application-oriented extension of his work.

B. BACKGROUND

The classical method of constructing confidence intervals for the ratio of two variances from normal populations consists of splitting the tails of the appropriate F distribution evenly. One might conjecture that this method has survived through time because of the availability of published F distribution tables, the simplicity of its computation and its resemblance to other evenly split tail schemes. Indeed, when the degrees of freedom of the F distribution are sufficiently large, the classical method yields adequate results for most applications. When the degrees of freedom are small, however, this method results in confidence intervals which are much larger than is necessary.

This thesis describes three classes of confidence intervals which are shorter than the classical ones. Characteristics associated with the shortest intervals are examined in detail and illustrated graphically.

C. IMPROVED CONFIDENCE INTERVALS

Three notions of optimality are treated herein; minimum length for the ratio of variances, minimum length for the ratio of standard deviations and shortest unbiased confidence intervals which Scheffé has shown to be the same criterion as the minimum of the logarithm of the ratio of the variances. These choices are natural, but arbitrary. Other choices could be made also. It is reasonable to assume, however, that the practitioner will prefer a shorter interval to a longer one, and that he will prefer an unbiased one. This thesis concerns itself with finding and recording values with which these classes of optimal confidence intervals can be constructed.

D. CONTENTS OF THESIS

This thesis is divided into four sections. Section I is the introduction. Section II contains the discussion of the statistical statement of the problem and the mathematical solution to it. Section III discusses the accuracy of the tabled values found in Appendix A. These values are the solutions to the optimal length confidence interval problem. Section IV contains conclusions on properties of these intervals along with guidelines for practitioners in applying them.

There are also three appendices. Appendix A contains the tabled values which can be used to construct the shortest length confidence intervals. Appendix B contains graphs of situations illustrating various properties of the criteria chosen. Finally, Appendix C contains the algorithm and the mathematical derivations used in computing the optimal values tabled in Appendix A.

II. DISCUSSION OF LOGIC AND METHODOLOGY

A. MINIMUM LENGTH CONFIDENCE INTERVALS FOR THE RATIO OF TWO VARIANCES AND TWO STANDARD DEVIATIONS

Assume that $\{X_1, X_2, \dots, X_{M+1}\}$ and $\{Y_1, Y_2, \dots, Y_{N+1}\}$ are two independent random samples from normal populations. The number of observations in each sample is $M+1$ and $N+1$ respectively.

Let γ be an arbitrary level of confidence. It is bounded below by 0 and above by 1. S_{XX} and S_{YY} are defined as

$$S_{XX} = \sum_{i=1}^{M+1} (X_i - \bar{X})^2$$

$$S_{YY} = \sum_{i=1}^{N+1} (Y_i - \bar{Y})^2$$

where

$$\bar{X} = \frac{\sum_{i=1}^{M+1} X_i}{M+1} \quad \text{and} \quad \bar{Y} = \frac{\sum_{i=1}^{N+1} Y_i}{N+1}$$

are the sample means. Let

$$s_x^2 = \frac{S_{XX}}{M} \quad \text{and} \quad s_y^2 = \frac{S_{YY}}{N}$$

Under these assumptions, it is well known that the statistic

$$\frac{s_x^2}{\sigma_x^2} \bigg/ \frac{s_y^2}{\sigma_y^2}$$

is an 'F' random variable with M and N degrees of freedom.¹

To construct a confidence interval for σ_y^2/σ_x^2 , two numbers C1 and C2 are chosen such that

$$\int_{C1}^{C2} h_{M,N}(x) dx = \gamma$$

where $h_{M,N}(x)$ is the F probability density function. Once these values are selected, they are substituted into the probability statement

$$P(C1 \leq \frac{s_x^2}{\sigma_x^2} \bigg/ \frac{s_y^2}{\sigma_y^2} \leq C2) = \gamma$$

Manipulating through algebra within the parenthesis, one obtains

$$P\left(\frac{s_y^2}{s_x^2} \cdot C1 \leq \frac{\sigma_y^2}{\sigma_x^2} \leq \frac{s_y^2}{s_x^2} \cdot C2\right) = \gamma$$

This expression yields the desired confidence interval

$$\left(\frac{s_y^2}{s_x^2} C1, \frac{s_y^2}{s_x^2} C2\right) \text{ with length } \frac{s_y^2}{s_x^2} (C2 - C1).$$

¹If the population means are known and are used in S_{XX} and S_{YY} , the degrees of freedom are M+1 and N+1.

As stated previously, C1 and C2 have historically been chosen such that

$$\int_0^{C1} h_{M,N}(x)dx = \int_{C2}^{\infty} h_{M,N}(x)dx = \frac{1-\gamma}{2}$$

This, of course, is the evenly split tails convention. It can be shown, however, that this method does not yield the optimal confidence interval.

The problem of finding the minimum length confidence interval is solved by applying a mathematical technique from the field of nonlinear programming. In essence, this nonlinear problem is

$$\text{MINIMIZE: } \frac{s_y^2}{s_x^2} (C2 - C1)$$

$$\text{Subject to: } \int_0^{C1} h_{M,N}(x)dx + \int_{C2}^{\infty} h_{M,N}(x)dx = 1 - \gamma$$

It is noted that the problem above is in reality a single variable line search. This becomes apparent when one chooses a value for C1, for then the value of C2 is fixed by the constraint. Thus, C1 is selected to serve as the independent decision variable. A single variable line search is then conducted over the interval $(0, H_{M,N}^{-1}(1-\gamma))$ where $H_{M,N}^{-1}(1-\gamma)$ is the inverse F distribution with M and N degrees of freedom. As C1 varies over this interval, C2 varies from $H_{M,N}^{-1}(\gamma)$ to infinity. By searching C1's interval, various pairs of (C1,C2) are obtained and used in

evaluating the derivative of the objective function. Where the derivative is zero, the objective function is minimized and the optimal values for C1 and C2 are then known.

When the criteria for optimality is changed from the ratio of variances to the ratio of standard deviations, the line search problem is the same as the ratio of variances except the objective function then has square roots in it. In other words, the problem is

$$\text{MINIMIZE: } \sqrt{\frac{s_y^2}{s_x^2}} (\sqrt{C2} - \sqrt{C1})$$

$$\text{Subject to: } \int_0^{C1} h_{M,N}(x)dx + \int_{C2}^{\infty} h_{M,N}(x)dx = 1 - \gamma.$$

The logic and methodology in the above problem are the same as those in the ratio of variances and hence are omitted here.

A result of Scheffé [2] shows that reparameterizing with a logarithmic transformation and minimizing the length produces the shortest unbiased confidence interval for the ratio of two variances. The term "unbiased" as used here refers to Neyman's [1] notion of unbiasedness. Hence, in the context of this thesis, the unbiased nonlinear problem becomes

$$\text{MINIMIZE: } \log \left[\frac{C2}{C1} \right]$$

$$\text{Subject to: } \int_0^{C1} h_{M,N}(x)dx + \int_{C2}^{\infty} h_{M,N}(x)dx = 1 - \gamma.$$

Again, as in the case of the minimum length confidence intervals for the ratio of two variances and the ratio of two standard deviations, the logic and methodology are the same, hence, again are omitted.

B. SUMMARY

This thesis contains the values necessary to construct the optimal confidence interval for the three parameterizations:

1) The ratio of two variances; 2) The ratio of two standard deviations and 3) The logarithm of the ratio of two variances. These values were obtained as solutions to the three nonlinear programming problems:

$$(1) \text{ MINIMIZE: } C2 - C1$$

$$\text{Subject to: } \int_0^{C1} h_{M,N}(x)dx + \int_{C2}^{\infty} h_{M,N}(x)dx = 1 - \gamma$$

$$(2) \text{ MINIMIZE: } \sqrt{C2} - \sqrt{C1}$$

$$\text{Subject to: } \int_0^{C1} h_{M,N}(x)dx + \int_{C2}^{\infty} h_{M,N}(x)dx = 1 - \gamma$$

$$(3) \text{ MINIMIZE: } \log \left[\frac{C2}{C1} \right]$$

$$\text{Subject to: } \int_0^{C1} h_{M,N}(x)dx + \int_{C2}^{\infty} h_{M,N}(x)dx = 1 - \gamma$$

As a final note, the statistic $\frac{s_y^2}{s_x^2}$ was dropped from the objective functions. This quantity is a random variable, and although its value influences the length in a multiplicative way, it can not be altered and has no role in the optimization process.

III. DISCUSSION OF ACCURACY

The precision of the tabled values is rather variable. After much study, it was decided to print the values of C1 and C2 to six decimal places. This decision was reached only after all available information had been considered and evaluated carefully. The net result of this deliberating is an earnest belief that at least six significant digits are valid throughout. Since all values for C1 are less than one, and all values for C2 are greater than one, any inaccuracies of the printed values occur in C2. The supporting information follows.

The values in Appendix A were found from an optimizing algorithm which utilized four subroutines from the International Mathematical and Scientific Library. The routines were MDFDRE (the F probability distribution), MDFI (the inverse F probability distribution), MDBETI (the inverse incomplete beta distribution) and MDBETA (the incomplete beta probability distribution). These routines, as well as the optimizing algorithm, were programmed in double precision FORTRAN computer code which theoretically allowed for sixteen digit accuracy. These codes were executed on the IBM 360/67 computer located at the Naval Postgraduate School, Monterey, California.

The key to precise, accurate values from these programs was found in the incomplete beta probability distribution routine, for the other three routines called it for their primary values which they then transformed into the numbers they supplied to the optimizing algorithm. The incomplete beta probability

distribution routine was based upon Algorithm 179, the Incomplete Beta Ratio, of the Association for Computing Machinery. Tests which were independent of this thesis effort revealed that this algorithm had given accurate results to at least nine decimal places when compared to published values of the incomplete beta distribution.

Another check of the values supplied by the IMSL routines was conducted by first using the inverse F probability distribution program to find points which corresponded to a given probability. The F probability distribution program was then given these values in order to confirm the probabilities. Over 250 such tests were conducted with the known probabilities being reproduced accurately to eight decimal places. A wide range of points which were produced in this test were also fed into an independent F probability distribution program which was in the computer language of APL. These points again produced the known probabilities to within eight decimal place accuracy. By experimenting with these points, i.e., deleting the last digit from them and refeeding them into the APL program, results were obtained which implied that the points were good to at least six decimal places.

Finally, it was decided to check the values in Appendix A by comparing them to alternate solutions found from another optimizing algorithm. When a wide range of the published values of this thesis were compared to solutions found from the other algorithm which utilized the same routines, ten points out of

190 disagreed with each other and this occurred in the fifth decimal place of C2. These disagreements occurred repeatedly when the degrees of freedom were disproportionate, the first being much larger than the second (i.e., (9,1), (10,1), (25,1), (50,6), (60,7), etc.). Additional experimentation revealed that the discrepancies in C2 were caused by the nearly horizontal curve that the F cumulative distribution function assumed at high levels of probability. However, when the published values and their alternatives were tested in the independent, APL computer program of the F probability distribution, it was found that the published values satisfied the probability integral constraint better and gave a smaller confidence interval length.

In conclusion, for convenience of printing, it was decided to fix the values found in this thesis at six decimal places. This decision was not arrived at easily, but only after many hours of study, deliberation and computer usage. This decision was based upon the accuracy of the incomplete beta probability distribution subroutine, the demonstrated preciseness of the other subroutines and the high satisfaction of the probability constraint by the published values. Although discrepancies in C2 were found in about 5% of the cases checked, they occur only in the last two decimal places of eight or more digit numbers, and do not affect the probability statements or the length of the confidence interval in any noticeable way.

IV. CONCLUSIONS

A. OPTIMAL LENGTH CONFIDENCE INTERVALS

Minimum length confidence intervals offer a significant reduction in interval length over the classical intervals which are obtained by splitting the tails evenly. The amount of reduction obtained is a function of the degrees of freedom of the F probability distribution. Examination of the published values for the minimum length confidence intervals reveals that if M is fixed at 1 or 2, essentially all of the alpha level probability ($\alpha = 1 - \gamma$), has to be placed in the upper tail, thus giving confidence intervals with lengths that are two to six times smaller than the lengths of the split tail intervals. When the first degree of freedom is larger than 2, however, the reduction in length becomes more dependent upon the second degree of freedom, N. This principle is illustrated in Figures 2 and 3. Figure 2 shows that if N is fixed, the savings in interval length is a slowly decreasing function with a relatively limited range. Figure 3 shows that if N varies, then the reduction ratio is a sharply increasing function which ranges roughly from 1.1 to 2. It should also be pointed out that after both degrees of freedom become larger than 10, the lengths of the shortest confidence intervals are very close to the lengths of the traditional ones.

Another trend which is observed in the minimum length confidence intervals is the distribution of the tail area of the

appropriate F probability distribution. The general principle is that the upper (or right-hand) tail is always heavily favored with probability over the lower (or left-hand) tail. As is true of reduction in interval length, the distribution of tail area is dependent upon both degrees of freedom. When the first degree of freedom is fixed at 1 or 2, again almost all of the tail area has to go into the upper tail. When M is larger than 2, the tail area is redistributed as a function of N. In other words, with M larger than 2, the amount of probability in the lower tail increases as N increases. An example of this effect is shown in Figure 4. Again, after the degrees of freedom are simultaneously larger than 10 (although the upper tail is still favored heavily over the lower tail), the amount of length reduction is relatively small.

A close study of the published values for the confidence intervals of the ratio of two standard deviations reveals that the same principles noted in the discussion above also applies to them. Figures 5, 6 and 7 illustrate this fact. Because of this repetition, further discussion of these intervals is omitted.

The shortest unbiased confidence intervals do not offer a significant reduction in interval length when compared to either the equal tail intervals or the minimum length intervals. However, the unbiased intervals are unbiased; a claim which neither of the other two classes of intervals can make.

There are two general principles one should note about these shortest unbiased intervals. First, the reduction in the

logarithms of their length as compared to the classical ones depends upon the values of the degrees of freedom, M and N . If M is greater than N , the reduction ratio is always greater than 1. As the value of N approaches that of M , the reduction ratio approaches the value of 1. When M equals N , the shortest unbiased interval is the classical equal tails interval. This result is attributed to Scheffé [2]. When N is larger than M , the reduction ratio increases toward an upper limit of approximately 1.1.

Second, the distribution of tail area of the appropriate F distribution also depends upon the values of M and N . If M is greater than N , the upper tail is favored with more area. If M is less than N , the lower tail has more area. Of course, if M equals N , neither tail is favored over the other which implies equal tail area.

B. GENERAL

Three classes of confidence intervals for the ratio of two variances have been discussed in this thesis. The class that the practitioner chooses to use will depend upon his value judgments concerning the trade-off between interval length and biasedness. The minimum length confidence intervals are highly biased in favor of higher false values of the parameter. The unbiased confidence intervals have the shortest length for the logarithm of the ratio of the variances. However, when these confidence intervals are converted to the confidence intervals for the ratio of the variances, they have greater length than the minimum length

intervals. The equal tails intervals have greater length than the minimum length intervals and are biased (but slightly) in favor of higher false values of the parameter. Figure 1 illustrates the power functions which result from converting the classes of confidence intervals discussed into their equivalent tests of hypothesis. In conclusion, the practitioner must decide which of the two factors -- power or interval length -- is more important to him and use the appropriate tabled values.

APPENDIX A

The following tables are the principle objective and result of this thesis. Seven levels of confidence are addressed -- .8, .9, .95, .975, .99, .995, .999 -- for the sets of degrees of freedom one through ten (by ones), twelve through twenty (by twos) and twenty-five through sixty (by fives). For each level of confidence, three tables appear; one for the minimum length confidence interval for the ratio of the variances, one for the minimum length confidence interval for the ratio of the standard deviations and a third for the shortest unbiased confidence interval.

Each table has five headings. "DF" means the degrees of freedom. The first number listed is the first degree of freedom (M) and is printed only at the beginning of each table. The second integer found is the second degree of freedom (N). N is printed for every row in the table. The columns labeled "C-1" and "C-2" contain the values which are solutions to the optimal length confidence interval problem. The column labeled "A-2/A-1" is the ratio of upper tail area to lower. The column labeled "Reduction" is the value of the ratio of the classical interval length to the shortest interval length. Minimum length confidence intervals are labeled as "coefficients" because in reality they must be multiplied by the test statistic, s_y^2/s_x^2 , to produce the true confidence interval length.

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.0	.472136	*	4.206
2	0.0	.555556	*	.058
3	0.0	.682071	*	.058
4	0.0	.850721	*	.058
5	0.0	.178234	*	.058
6	0.0	.073897	*	.058
7	0.0	.002010	*	.058
8	0.0	.951093	*	.058
9	0.0	.913768	*	.058
10	0.0	.882888	*	.058
11	0.0	.839325	*	.058
12	0.0	.809107	*	.058
13	0.0	.786920	*	.058
14	0.0	.769940	*	.058
15	0.0	.756528	*	.058
16	0.0	.732764	*	.058
17	0.0	.717198	*	.058
18	0.0	.706189	*	.058
19	0.0	.698010	*	.058
20	0.0	.691689	*	.058
21	0.0	.686657	*	.058
22	0.0	.682557	*	.058
23	0.0	.679152	*	.058

CONFIDENCE LEVEL=.8
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.0	12.000000	*	4.415
3	0.0	4.000000	*	.058
4	0.0	.886027	*	.058
5	0.0	.472136	*	.058
6	0.0	.255556	*	.058
7	0.0	.122992	*	.058
8	0.0	.043369	*	.058
9	0.0	.031395	*	.058
10	0.0	.034861	*	.058
11	0.0	.039864	*	.058
12	0.0	.045963	*	.058
13	0.0	.050949	*	.058
14	0.0	.058275	*	.058
15	0.0	.062319	*	.058
16	0.0	.074618	*	.058
17	0.0	.071764	*	.058
18	0.0	.069895	*	.058
19	0.0	.068576	*	.058
20	0.0	.067596	*	.058
21	0.0	.066839	*	.058
22	0.0	.066237	*	.058
23	0.0	.065746	*	.058
24	0.0	.065339	*	.058

CONFIDENCE LEVEL=.8
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
3	0.0000005	13.063931	8097165.0	4.089
1	0.0000210	4.156488	35780.4	2.160
2	0.0000793	2.936466	5282.5	1.773
3	0.001583	2.485798	5956.7	1.612
4	0.0024299	2.254640	11061.2	1.523
5	0.0032499	2.114760	700.2	1.468
6	0.004012	2.021240	518.0	1.430
7	0.004709	1.954400	412.1	1.402
8	0.005340	1.904290	344.4	1.381
9	0.005910	1.865349	298.0	1.364
10	0.006890	1.808796	239.4	1.340
11	0.007696	1.769731	204.4	1.322
12	0.008367	1.741144	181.4	1.300
13	0.008932	1.719325	165.2	1.292
14	0.009413	1.702128	153.3	1.278
15	0.010332	1.671745	133.8	1.269
16	0.011033	1.651895	122.2	1.253
17	0.011549	1.637912	114.5	1.238
18	0.011953	1.627532	109.0	1.233
19	0.012278	1.619522	104.9	1.225
20	0.012545	1.613153	100.7	1.217
25	0.012768	1.607968	99.2	1.214
30	0.012957	1.603666	97.1	1.217

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
4	0.000596	13.644620	94196.4	4.076
1	0.005134	4.238660	1934.9	2.129
2	0.011592	3.961406	461.8	1.730
3	0.018002	2.491799	214.7	1.552
4	0.023774	2.251868	132.7	1.469
5	0.028816	2.107189	95.2	1.410
6	0.033133	2.010764	74.7	1.370
7	0.036969	1.942043	62.0	1.340
8	0.040264	1.890652	53.5	1.318
9	0.043150	1.850804	47.5	1.300
10	0.047943	1.793098	39.6	1.274
11	0.051751	1.753367	34.7	1.256
12	0.054839	1.724371	31.4	1.242
13	0.057391	1.702288	29.0	1.232
14	0.059532	1.684915	27.2	1.224
15	0.063627	1.654298	24.2	1.209
16	0.066539	1.634352	22.4	1.199
17	0.068715	1.620331	21.2	1.192
18	0.070401	1.609939	20.3	1.187
19	0.071746	1.601929	19.6	1.183
20	0.072844	1.595567	19.1	1.180
25	0.073756	1.590392	18.7	1.178
30	0.074527	1.586101	18.4	1.176

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.0002855	14.0009580	24935.4	4.065
6	0.0149633	4.290596	809.1	2.112
7	0.028874	2.977324	220.0	1.707
8	0.041554	2.495602	108.3	1.535
9	0.052478	2.249891	69.0	1.440
10	0.061762	2.101923	50.4	1.379
11	0.069639	2.003412	40.0	1.338
12	0.076416	1.933265	33.5	1.307
13	0.082239	1.880847	29.1	1.284
14	0.087299	1.840227	25.9	1.266
15	0.091635	1.81443	21.7	1.239
16	0.102198	1.741000	19.1	1.220
17	0.107490	1.71499	17.3	1.206
18	0.111842	1.689040	16.0	1.187
19	0.115480	1.671377	15.0	1.173
20	0.122406	1.640260	13.4	1.125
25	0.127303	1.619993	12.4	1.106
30	0.130958	1.605730	11.7	1.095
35	0.133781	1.595195	11.2	1.087
40	0.136028	1.587060	10.8	1.080
45	0.137859	1.580598	10.5	1.074
50	0.139379	1.575343	10.3	1.070
55	0.140662	1.570985	10.1	1.068

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.006188	14.259872	43762.7	4.065
7	0.025634	4.326024	545.2	2.101
8	0.046075	3.987537	156.3	1.693
9	0.064011	3.497016	78.6	1.519
10	0.079135	3.246910	50.6	1.422
11	0.091944	3.096310	37.2	1.361
12	0.102721	2.996043	29.6	1.318
13	0.111896	2.924635	24.8	1.287
14	0.119776	2.871262	21.5	1.263
15	0.126603	2.829394	19.2	1.245
16	0.133781	2.770001	16.0	1.217
17	0.146623	2.728772	14.1	1.198
18	0.153708	2.698680	12.8	1.184
19	0.159525	2.675759	11.8	1.173
20	0.164385	2.657724	11.1	1.164
25	0.173362	2.625927	9.8	1.149
30	0.180152	2.605199	9.1	1.139
35	0.185009	2.590620	8.6	1.132
40	0.188763	2.579808	8.2	1.127
45	0.191750	2.571472	7.9	1.123
50	0.194194	2.564847	7.7	1.119
55	0.196204	2.559457	7.5	1.117
60	0.197908	2.554986	7.4	1.115

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	A-1	REDUCTION
7	0.009803	1.4.441986	9.98	4.39	4.062
11	0.035644	1.4.351508	4.39	2.22	2.095
15	0.061341	2.2.994291	2.22	1.11	1.509
19	0.083537	2.2.497024	1.11	0.66	1.111
23	0.102148	2.2.245421	0.66	0.44	0.806
27	0.117717	2.2.090649	0.44	0.33	0.649
31	0.130326	2.2.016358	0.33	0.22	0.506
35	0.141962	2.2.000529	0.22	0.11	0.374
39	0.151554	2.2.000529	0.11	0.08	0.250
43	0.159781	2.2.000529	0.08	0.06	0.174
47	0.167347	2.2.000529	0.06	0.04	0.123
51	0.173349	2.2.000529	0.04	0.03	0.084
55	0.179254	2.2.000529	0.03	0.02	0.059
59	0.185976	2.2.000529	0.02	0.01	0.041
63	0.192544	2.2.000529	0.01	0.00	0.030
67	0.199944	2.2.000529	0.00	0.00	0.024
71	0.205447	2.2.000529	0.00	0.00	0.017
75	0.211659	2.2.000529	0.00	0.00	0.010
79	0.216488	2.2.000529	0.00	0.00	0.007
83	0.223034	2.2.000529	0.00	0.00	0.004
87	0.223483	2.2.000529	0.00	0.00	0.003
91	0.223843	2.2.000529	0.00	0.00	0.002
95	0.224242	2.2.000529	0.00	0.00	0.001
99	0.224592	2.2.000529	0.00	0.00	0.000

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	A-1	REDUCTION
8	0.013298	1.4.580333	8.11	4.09	4.061
12	0.044430	2.4.970630	4.09	2.22	2.094
16	0.074475	2.4.998929	2.22	1.11	1.509
20	0.100148	2.2.496657	1.11	0.66	1.111
24	0.121566	2.2.239857	0.66	0.44	0.806
28	0.139437	2.2.085262	0.44	0.33	0.649
32	0.154462	2.2.019820	0.33	0.22	0.506
36	0.167216	2.2.008699	0.22	0.11	0.374
40	0.178149	2.2.003683	0.11	0.08	0.250
44	0.187610	2.2.001098	0.08	0.06	0.174
48	0.203132	2.2.000933	0.06	0.04	0.123
52	0.215311	2.2.000799	0.04	0.03	0.084
56	0.225107	2.2.000750	0.03	0.02	0.059
60	0.233151	2.2.000651	0.02	0.01	0.041
64	0.239870	2.2.000590	0.01	0.00	0.030
68	0.252647	2.2.000577	0.00	0.00	0.024
72	0.261685	2.2.000561	0.00	0.00	0.017
76	0.268413	2.2.000549	0.00	0.00	0.010
80	0.273614	2.2.000534	0.00	0.00	0.007
84	0.277755	2.2.000524	0.00	0.00	0.004
88	0.281129	2.2.000518	0.00	0.00	0.003
92	0.283932	2.2.000514	0.00	0.00	0.002
96	0.286297	2.2.000511	0.00	0.00	0.001

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.016519	4.688947	7239.5	4.059
1	0.052071	4.385470	552.4	2.088
2	0.085708	3.002230	106.1	2.675
3	0.114258	2.495264	54.2	2.457
4	0.138006	2.236434	35.4	2.358
5	0.157794	2.080390	25.5	2.335
6	0.174420	1.976108	20.0	2.359
7	0.188529	1.901744	14.7	2.259
8	0.200624	1.846034	10.4	2.234
9	0.211092	1.802756	8.3	2.155
10	0.228271	1.739901	7.0	2.186
11	0.241756	1.696456	6.0	2.166
12	0.252608	1.664629	5.3	2.155
13	0.261524	1.640306	4.8	2.140
14	0.268976	1.622111	4.4	2.133
15	0.273315	1.587122	4.0	2.116
16	0.279319	1.564855	3.7	2.105
17	0.280067	1.549319	3.5	2.098
18	0.306458	1.533744	3.3	2.093
19	0.311065	1.523836	3.1	2.088
20	0.314822	1.521555	3.0	2.085
25	0.317943	1.515279	2.4	2.082
30	0.320577	1.510396	2.0	2.080

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.019427	4.776457	6631.5	4.058
1	0.058698	4.397303	331.6	2.086
2	0.095346	3.004652	100.3	2.673
3	0.126311	2.494078	53.3	2.493
4	0.152022	2.233243	33.2	2.394
5	0.173430	2.075768	24.4	2.330
6	0.191413	1.970608	19.3	2.386
7	0.206676	1.895481	16.6	2.354
8	0.219762	1.839152	13.3	2.255
9	0.231091	1.795354	12.2	2.210
10	0.240994	1.731671	10.0	2.181
11	0.249694	1.687587	9.0	2.166
12	0.264507	1.655248	8.0	2.146
13	0.276076	1.630504	7.4	2.134
14	0.285751	1.610955	6.9	2.125
15	0.293842	1.576286	6.0	2.109
16	0.309250	1.553522	5.5	2.099
17	0.320172	1.537420	5.0	2.092
18	0.328314	1.532542	4.5	2.086
19	0.334616	1.516239	4.3	2.082
20	0.339639	1.508738	4.0	2.079
25	0.343756	1.502700	3.6	2.076
30	0.347142	1.497680	3.3	2.074
35	0.350017		3.0	

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
12			5940.1	4.057
1	0.0243359	14.908723	306.8	2.083
2	0.0695006	4.414965	93.4	1.668
3	0.1109003	3.007685	47.8	1.489
4	0.145691	2.491669	30.9	1.388
5	0.1745222	2.227632	22.6	1.324
6	0.198518	2.067988	17.9	1.280
7	0.218681	1.961209	14.9	1.247
8	0.235805	1.884800	12.9	1.222
9	0.250498	1.827414	11.4	1.202
10	0.263229	1.782724	9.4	1.173
11	0.284160	1.717597	8.2	1.153
12	0.300631	1.672382	7.3	1.138
13	0.313916	1.639128	6.7	1.126
14	0.324854	1.613624	6.2	1.117
15	0.334013	1.593432	5.9	1.101
16	0.341489	1.575751	5.5	1.090
17	0.346390	1.553839	5.0	1.083
18	0.349317	1.531704	4.6	1.077
19	0.350368	1.504500	4.4	1.073
20	0.348610	1.494771	4.2	1.070
25	0.339078	1.487004	4.0	1.067
30	0.339468	1.480658	3.9	1.065
35	0.339797	1.475375		

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
14			5571.1	4.057
1	0.028311	15.003915	293.1	2.081
2	0.077859	4.427500	89.5	1.665
3	0.122834	3.009376	45.8	1.486
4	0.160508	2.489450	29.6	1.385
5	0.191709	2.222970	21.6	1.321
6	0.217684	2.061636	17.7	1.276
7	0.239522	1.953574	14.4	1.243
8	0.258084	1.876131	12.2	1.213
9	0.274026	1.817884	10.8	1.198
10	0.287851	1.772457	9.9	1.186
11	0.301061	1.706122	8.7	1.168
12	0.328557	1.659949	7.7	1.148
13	0.343034	1.625909	6.9	1.132
14	0.355007	1.599745	6.3	1.119
15	0.365030	1.578990	5.9	1.109
16	0.384191	1.541966	5.1	1.095
17	0.397836	1.517477	4.6	1.084
18	0.403048	1.500053	4.3	1.077
19	0.415977	1.487010	4.0	1.071
20	0.422313	1.476876	3.9	1.067
25	0.427491	1.468771	3.8	1.064
30	0.431803	1.462141	3.7	1.061
35	0.435449	1.456614	3.6	1.058

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
16				
1	0.031513	15.075691	5349.3	4.056
2	0.084495	4.436850	284.6	2.080
3	0.132237	3.011183	37.1	1.664
4	0.172166	2.487496	44.6	1.484
5	0.205229	2.219089	28.7	1.383
6	0.232765	2.056403	21.0	1.318
7	0.255933	1.947299	16.6	1.273
8	0.275641	1.869009	13.8	1.240
9	0.292584	1.810048	11.8	1.214
10	0.307290	1.764005	10.5	1.194
12	0.331536	1.696650	8.6	1.165
14	0.350680	1.649657	7.4	1.144
16	0.366172	1.614938	6.6	1.129
18	0.378963	1.588200	6.0	1.117
20	0.389702	1.566952	5.6	1.107
25	0.410272	1.528951	4.9	1.091
30	0.424955	1.503732	4.4	1.080
35	0.435964	1.485743	4.1	1.072
40	0.444526	1.472248	3.9	1.067
45	0.451375	1.461745	3.7	1.062
50	0.456980	1.453329	3.6	1.059
55	0.461651	1.446436	3.5	1.056
60	0.465604	1.440685	3.4	1.054

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
18				
1	0.034145	15.131737	5204.8	4.056
2	0.089860	4.444089	279.0	2.080
3	0.139821	3.012085	85.4	1.663
4	0.182562	2.485795	43.7	1.482
5	0.215125	2.215832	29.2	1.381
6	0.244927	2.052040	20.6	1.316
7	0.269177	1.942074	16.2	1.271
8	0.289822	1.863077	13.4	1.238
9	0.307585	1.803515	11.8	1.212
10	0.323017	1.756951	10.2	1.192
12	0.348489	1.688725	8.4	1.162
14	0.368634	1.641025	7.2	1.141
16	0.384960	1.605715	6.4	1.126
18	0.398437	1.578475	5.9	1.114
20	0.409803	1.556793	5.4	1.105
25	0.431574	1.517924	4.7	1.088
30	0.447149	1.492052	4.3	1.077
35	0.458848	1.473552	3.9	1.069
40	0.467960	1.459646	3.7	1.064
45	0.475259	1.448802	3.5	1.059
50	0.481238	1.440105	3.4	1.056
55	0.486226	1.432972	3.3	1.053
60	0.490450	1.427013	3.2	1.051

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
20	0.036340	15.176712	51.05.1	4.056
25	0.094234	4.449858	275.1	2.079
30	0.146061	3.012732	84.3	1.662
35	0.189288	2.484318	43.1	1.481
40	0.225088	2.213070	27.8	1.380
45	0.254935	2.048356	20.3	1.315
50	0.280093	1.937667	16.0	1.270
55	0.301508	1.858070	13.2	1.236
60	0.319958	1.797997	11.4	1.211
100	0.335998	1.750986	10.0	1.190
120	0.362505	1.682008	8.2	1.160
140	0.383498	1.633693	7.1	1.139
160	0.400534	1.597866	6.3	1.124
180	0.414636	1.570184	5.7	1.112
200	0.426504	1.548117	5.2	1.103
250	0.449313	1.508474	4.6	1.085
300	0.465566	1.482014	4.1	1.074
350	0.477971	1.463051	3.8	1.067
400	0.487568	1.448770	3.6	1.061
450	0.495265	1.437618	3.4	1.057
500	0.503576	1.428660	3.3	1.053
550	0.506846	1.421305	3.2	1.050
600	0.511312	1.415155	3.1	1.048

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
25	0.040492	15.257971	4958.1	4.055
30	0.102548	4.460190	269.2	2.078
35	0.157633	3.013725	82.3	1.661
40	0.203673	2.481388	42.2	1.480
45	0.241783	2.207726	27.2	1.378
50	0.273594	2.041275	19.8	1.313
55	0.300436	1.929197	15.6	1.267
60	0.323343	1.848442	12.9	1.234
70	0.343100	1.787370	11.0	1.208
80	0.360307	1.739481	9.7	1.188
90	0.376809	1.669011	7.9	1.157
100	0.388809	1.619460	6.8	1.136
120	0.411452	1.582586	6.1	1.120
140	0.429880	1.553998	5.5	1.108
160	0.445175	1.531140	5.1	1.099
180	0.458078	1.489887	4.4	1.081
200	0.482970	1.462189	3.9	1.070
250	0.500900	1.442240	3.6	1.062
300	0.514444	1.427156	3.4	1.057
350	0.525043	1.415334	3.2	1.052
400	0.533567	1.405811	3.1	1.048
450	0.540574	1.397971	3.0	1.046
500	0.546436	1.391400	2.9	1.043
550	0.551414			
600	0.551414			

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
30				
1	0.043404	15.312357	4881.2	4.055
2	0.1108270	4.467039	266.1	2.078
3	0.165712	3.014261	81.6	1.660
4	0.213609	2.479235	41.7	1.479
5	0.253323	2.203911	26.8	1.377
6	0.286506	2.036217	19.5	1.312
7	0.314541	1.923149	15.3	1.266
8	0.338495	1.841558	12.7	1.232
9	0.359183	1.779759	10.9	1.206
10	0.377224	1.732224	9.5	1.186
11	0.407164	1.659646	7.8	1.156
12	0.431009	1.609166	6.7	1.134
14	0.450460	1.571495	5.9	1.118
16	0.466640	1.542212	5.4	1.106
20	0.480317	1.518741	4.9	1.096
25	0.506783	1.476224	4.3	1.075
30	0.523924	1.447539	3.9	1.068
35	0.540431	1.426795	3.5	1.060
40	0.551816	1.411056	3.3	1.054
45	0.556099	1.398683	3.1	1.049
50	0.568557	1.388691	3.0	1.046
55	0.574895	1.380446	2.9	1.043
60	0.580287	1.373522	2.8	1.040

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
35				
1	0.045553	15.351308	4835.9	4.055
2	0.112463	4.471912	264.2	2.077
3	0.171586	3.014581	81.0	1.660
4	0.220878	2.477597	41.4	1.478
5	0.261772	2.201042	26.6	1.376
6	0.295969	2.032432	19.3	1.311
7	0.324837	1.918622	15.2	1.265
8	0.349622	1.836400	12.6	1.231
9	0.371007	1.774048	10.8	1.206
10	0.389675	1.725019	9.4	1.185
12	0.420703	1.652586	7.7	1.154
14	0.445465	1.601383	6.6	1.133
16	0.465702	1.563086	5.8	1.117
20	0.482566	1.533253	5.3	1.105
25	0.496846	1.503293	4.9	1.093
30	0.512454	1.465759	4.3	1.077
35	0.544653	1.436270	3.7	1.066
40	0.559934	1.414870	3.4	1.058
45	0.571958	1.398565	3.2	1.052
50	0.581672	1.388571	3.0	1.047
55	0.589690	1.375363	2.9	1.044
55	0.596423	1.366774	2.8	1.041
60	0.602159	1.359549	2.7	1.038

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
40				
1	0.047204	15.380576	4807.0	4.055
2	0.115664	14.475556	263.00	2.077
3	0.176068	13.014787	80.7	1.659
4	0.226426	11.476313	41.2	1.478
5	0.268223	10.198814	26.4	1.376
6	0.303200	9.029497	19.2	1.310
7	0.332800	8.151110	15.1	1.265
8	0.358140	7.432394	12.5	1.231
9	0.380066	6.769608	10.7	1.205
10	0.399223	6.201900	9.4	1.184
12	0.431104	5.647078	7.6	1.154
14	0.456589	5.195295	6.3	1.132
16	0.477450	4.816493	5.8	1.116
18	0.494860	4.526215	5.2	1.104
20	0.509622	4.301857	4.8	1.094
25	0.538326	4.057486	4.1	1.076
30	0.559216	3.827327	3.7	1.065
35	0.575136	3.605378	3.4	1.057
40	0.587689	3.388632	3.1	1.051
45	0.597852	3.175405	3.0	1.046
50	0.606254	2.964678	2.8	1.042
55	0.613320	2.755793	2.7	1.039
60	0.619348	2.548308	2.6	1.037

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
45				
1	0.048510	15.403374	4787.4	4.055
2	0.118189	14.478393	262.2	2.077
3	0.179599	13.014925	80.4	1.659
4	0.230798	11.475280	41.1	1.478
5	0.273310	10.197035	26.4	1.376
6	0.308904	9.027156	19.2	1.310
7	0.339047	8.123308	15.0	1.264
8	0.364870	7.429195	12.4	1.230
9	0.387229	6.766059	10.6	1.204
10	0.406778	6.216325	9.3	1.184
12	0.439346	5.642660	7.6	1.153
14	0.465416	5.190404	6.3	1.131
16	0.486784	4.81187	5.7	1.115
18	0.504640	4.520540	5.2	1.103
20	0.519799	4.305850	4.8	1.093
25	0.549330	4.050779	4.1	1.075
30	0.570876	3.820056	3.7	1.064
35	0.587332	3.597639	3.3	1.056
40	0.600333	3.380498	3.1	1.050
45	0.610876	3.166933	3.0	1.045
50	0.619607	2.955912	2.8	1.041
55	0.626960	2.746770	2.7	1.038
60	0.633240	2.539057	2.6	1.036

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
50				
1	0.049569	15.421633	4773.4	4.055
2	0.120230	4.480641	261.6	2.077
3	0.182453	3.015023	80.2	1.659
4	0.234332	2.474433	41.0	1.478
5	0.277423	2.195382	26.3	1.376
6	0.313520	2.025245	19.1	1.310
7	0.344105	1.910020	15.0	1.264
8	0.370320	1.826582	12.4	1.230
9	0.393034	1.763157	10.6	1.204
10	0.412905	1.713163	9.3	1.183
12	0.446038	1.639040	7.6	1.153
14	0.472591	1.586389	6.5	1.131
16	0.494381	1.546824	5.7	1.115
18	0.512608	1.515867	5.2	1.102
20	0.528099	1.490898	4.7	1.093
25	0.558324	1.445232	4.0	1.075
30	0.580427	1.414025	3.6	1.063
35	0.597370	1.391205	3.3	1.055
40	0.610726	1.373722	3.1	1.049
45	0.622598	1.359862	2.9	1.044
50	0.630614	1.348584	2.8	1.040
55	0.638216	1.339216	2.7	1.037
60	0.644716	1.333102	2.6	1.035

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
55				
1	0.050445	15.436585	4763.2	4.055
2	0.121914	4.482486	261.2	2.077
3	0.184807	3.015094	80.1	1.659
4	0.237247	2.473725	40.9	1.477
5	0.280818	2.194374	26.2	1.375
6	0.317330	2.023656	19.1	1.310
7	0.348282	1.908117	15.0	1.264
8	0.374825	1.824408	12.4	1.230
9	0.397834	1.760741	10.6	1.204
10	0.417974	1.710528	9.3	1.183
12	0.451581	1.636020	7.6	1.152
14	0.478540	1.583034	6.4	1.131
16	0.500685	1.543174	5.7	1.115
18	0.519226	1.511952	5.1	1.102
20	0.534999	1.486744	4.7	1.092
25	0.565813	1.440567	4.0	1.074
30	0.588397	1.408941	3.6	1.062
35	0.605706	1.385770	3.3	1.054
40	0.619426	1.367987	3.0	1.048
45	0.630583	1.353868	2.9	1.043
50	0.639850	1.342363	2.7	1.040
55	0.647672	1.332794	2.6	1.037
60	0.654367	1.324702	2.5	1.034

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
60				
1	0.0511182	15.449055	4755.4	4.055
2	0.1233327	4.484021	260.9	2.077
3	0.1867822	3.015147	80.0	1.659
4	0.239693	2.473126	40.8	1.477
5	0.283667	2.193354	26.2	1.375
6	0.320530	2.022315	19.0	1.310
7	0.351791	1.906510	14.6	1.264
8	0.378611	1.822571	12.3	1.230
9	0.401870	1.758699	10.5	1.204
10	0.422238	1.708300	9.2	1.183
12	0.456246	1.633462	7.5	1.152
14	0.483552	1.580189	6.4	1.130
16	0.506000	1.540075	5.7	1.114
18	0.524812	1.508625	5.1	1.102
20	0.540826	1.483210	4.7	1.092
25	0.572138	1.436589	4.0	1.074
30	0.595152	1.404597	3.5	1.062
35	0.612806	1.381117	3.2	1.054
40	0.626819	1.363070	3.0	1.048
45	0.638232	1.348721	2.9	1.043
50	0.647717	1.337014	2.7	1.039
55	0.655734	1.327266	2.6	1.036
60	0.662602	1.319013	2.5	1.034

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.00	39.863458	*	4.050
2	0.00	8.526316	*	2.171
3	0.00	5.538319	*	1.828
4	0.00	4.544771	*	1.695
5	0.00	4.060420	*	1.626
6	0.00	3.775950	*	1.585
7	0.00	3.589428	*	1.557
8	0.00	3.457919	*	1.537
9	0.00	3.360303	*	1.522
10	0.00	3.285015	*	1.510
12	0.00	3.176549	*	1.493
14	0.00	3.102213	*	1.482
16	0.00	3.048110	*	1.473
18	0.00	3.006977	*	1.467
20	0.00	2.974653	*	1.461
25	0.00	2.917745	*	1.452
30	0.00	2.880695	*	1.446
35	0.00	2.854655	*	1.442
40	0.00	2.835354	*	1.439
45	0.00	2.820476	*	1.437
50	0.00	2.808658	*	1.435
55	0.00	2.799043	*	1.433
60	0.00	2.791068	*	1.432

CONFIDENCE LEVEL=.9
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.00	49.500000	*	4.029
3	0.00	9.000000	*	2.105
4	0.00	5.462383	*	1.739
5	0.00	4.324555	*	1.594
6	0.00	3.779716	*	1.517
7	0.00	3.463304	*	1.470
8	0.00	3.257442	*	1.438
9	0.00	3.113118	*	1.416
10	0.00	3.006452	*	1.399
12	0.00	2.924466	*	1.385
14	0.00	2.860796	*	1.366
16	0.00	2.806468	*	1.352
18	0.00	2.768171	*	1.343
20	0.00	2.73947	*	1.335
25	0.00	2.623947	*	1.325
30	0.00	2.539254	*	1.319
35	0.00	2.488716	*	1.312
40	0.00	2.460936	*	1.307
45	0.00	2.440369	*	1.303
50	0.00	2.424529	*	1.300
55	0.00	2.411955	*	1.298
60	0.00	2.401731	*	1.296
		2.393255	*	1.295

CONFIDENCE LEVEL=.9
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
3	0.0	53.593245	*	4.023
1	0.000013	9.161799	1140249.9	2.080
2	0.000079	5.390826	83639.0	1.701
3	0.000200	4.190994	21752.3	1.547
4	0.000354	3.619713	9520.7	1.464
5	0.000521	3.289109	5437.6	1.413
6	0.000690	3.074532	3625.6	1.378
7	0.000853	2.924365	2666.7	1.352
8	0.001007	2.813535	2095.7	1.333
9	0.001152	2.728442	1726.0	1.318
10	0.001412	2.606467	1286.9	1.296
12	0.001634	2.523314	1041.6	1.281
14	0.001825	2.463028	887.8	1.269
16	0.001990	2.417333	783.6	1.261
18	0.002133	2.381510	708.8	1.254
20	0.002419	2.318631	591.1	1.241
25	0.002632	2.277827	523.3	1.233
30	0.002796	2.249216	479.5	1.228
35	0.002926	2.228044	449.0	1.223
40	0.003032	2.211745	426.6	1.220
45	0.003120	2.198811	409.4	1.218
50	0.003193	2.188297	395.9	1.215
55	0.003256	2.179583	384.9	1.214
60				

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
4	0.000074	55.832998	30302.0	4.020
1	0.001258	9.244047	15865.0	2.067
2	0.003552	5.344430	2402.5	1.679
3	0.006177	4.110361	887.1	1.518
4	0.008742	3.524607	476.2	1.431
5	0.011107	3.186373	310.6	1.377
6	0.013237	2.967226	227.2	1.339
7	0.015139	2.814084	178.9	1.312
8	0.016833	2.701200	148.1	1.291
9	0.018345	2.614625	127.1	1.275
10	0.020913	2.490695	100.7	1.251
12	0.022999	2.406345	85.0	1.234
14	0.024720	2.345272	74.8	1.222
16	0.026161	2.299030	67.6	1.213
18	0.027384	2.262813	62.3	1.205
20	0.029754	2.199321	53.7	1.192
25	0.031464	2.158181	48.6	1.183
30	0.032755	2.129364	45.3	1.177
35	0.033764	2.108059	42.9	1.172
40	0.034572	2.091668	41.1	1.168
45	0.035236	2.078668	39.7	1.166
50	0.035789	2.068105	38.6	1.163
55	0.036258	2.059354	37.7	1.161
60				

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
5				
1	0.000699	57.240357	411183.2	4.018
2	0.005649	9.294917	4368.1	2.059
3	0.012574	5.314302	818.3	1.665
4	0.019474	4.058596	332.9	1.501
5	0.025746	3.463624	188.5	1.411
6	0.031278	3.120475	127.1	1.355
7	0.036116	2.898340	95.0	1.316
8	0.040346	2.743219	76.0	1.288
9	0.044055	2.628943	63.6	1.266
10	0.047323	2.541343	55.1	1.249
12	0.052798	2.416019	44.2	1.224
14	0.057185	2.330774	37.6	1.206
16	0.060770	2.269084	33.2	1.193
18	0.063749	2.222394	30.2	1.183
20	0.066261	2.185838	27.9	1.175
25	0.071094	2.121778	24.2	1.161
30	0.074555	2.080289	21.9	1.152
35	0.077154	2.051237	20.4	1.146
40	0.079176	2.029763	19.4	1.141
45	0.080792	2.013245	18.6	1.137
50	0.082115	2.000147	18.0	1.134
55	0.083216	1.989505	17.5	1.132
60	0.084148	1.980689	17.1	1.130

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
6				
1	0.002098	58.205124	165726.5	4.017
2	0.011909	9.329640	2435.1	2.054
3	0.023721	5.293049	499.5	1.657
4	0.034823	4.022079	211.3	1.490
5	0.044617	3.420402	122.1	1.399
6	0.053105	3.073544	82.2	1.341
7	0.060442	2.849063	62.7	1.301
8	0.066803	2.692325	50.3	1.272
9	0.072348	2.576864	42.3	1.250
10	0.077212	2.488357	36.7	1.232
12	0.085318	2.361731	29.5	1.206
14	0.091782	2.275593	25.1	1.188
16	0.097045	2.213249	22.2	1.175
18	0.101407	2.166057	20.1	1.165
20	0.105078	2.129102	18.6	1.157
25	0.112123	2.064331	16.1	1.142
30	0.117157	2.022367	14.6	1.133
35	0.120929	1.992976	13.6	1.126
40	0.123859	1.971246	12.9	1.121
45	0.126201	1.954529	12.3	1.117
50	0.128115	1.941269	11.9	1.114
55	0.129709	1.930496	11.6	1.112
60	0.131056	1.921569	11.3	1.110

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.004011	58.907128	100947.9	4.017
1	0.018606	9.354740	1768.6	2.050
2	0.034806	5.277020	380.1	1.651
3	0.049580	3.994587	163.8	1.483
4	0.062422	3.387718	95.5	1.391
5	0.073456	3.037890	65.4	1.332
6	0.082941	2.811466	49.3	1.291
7	0.091135	2.653342	39.7	1.261
8	0.098259	2.536835	33.3	1.239
9	0.104495	2.447504	28.9	1.221
10	0.114869	2.319654	23.2	1.194
12	0.123126	2.232640	19.7	1.176
14	0.129840	2.169632	17.4	1.162
16	0.135400	2.121917	15.8	1.152
18	0.140077	2.084538	14.6	1.144
20	0.149047	2.018983	12.6	1.129
25	0.155451	1.976481	11.4	1.119
30	0.160248	1.946695	10.6	1.112
35	0.163975	1.924663	10.0	1.107
40	0.166953	1.907706	9.6	1.103
45	0.169386	1.894252	9.2	1.100
50	0.171412	1.883317	9.0	1.098
55	0.173125	1.874255	8.8	1.096
60				

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
8	0.006140	59.440583	74642.6	4.016
1	0.025042	9.373653	1454.1	2.048
2	0.045021	5.264395	321.0	1.648
3	0.062925	3.973001	139.7	1.478
4	0.078358	3.361968	81.7	1.385
5	0.091558	3.009689	56.1	1.325
6	0.102874	2.781618	42.3	1.284
7	0.112632	2.622291	34.0	1.254
8	0.121107	2.504855	28.6	1.231
9	0.128521	2.414779	24.7	1.213
10	0.140844	2.285793	19.8	1.136
12	0.150648	2.197944	16.8	1.167
14	0.158618	2.134289	14.8	1.153
16	0.165219	2.086056	13.4	1.143
18	0.170771	2.048251	12.4	1.134
20	0.181421	1.981897	10.6	1.119
25	0.189027	1.938835	9.6	1.110
30	0.194726	1.908633	8.9	1.103
35	0.199155	1.886279	8.4	1.097
40	0.202694	1.869065	8.0	1.093
45	0.205587	1.855401	7.7	1.090
50	0.207996	1.844292	7.5	1.088
55	0.210033	1.835082	7.3	1.086
60				

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.008292	59.859552	61239.7	4.016
1	0.030960	9.388377	1277.8	2.046
2	0.054168	5.254153	286.7	1.645
3	0.074736	3.955547	125.5	1.475
4	0.092378	3.341090	73.6	1.381
5	0.107428	2.986750	50.5	1.321
6	0.120311	2.757264	38.1	1.279
7	0.131413	2.596884	30.6	1.249
8	0.141051	2.478620	25.7	1.225
10	0.149481	2.387870	22.2	1.207
12	0.163493	2.257840	17.8	1.180
14	0.174642	2.169207	15.0	1.161
16	0.183710	2.104937	13.2	1.147
18	0.191221	2.056205	11.9	1.136
20	0.197542	2.017985	11.0	1.127
25	0.209674	1.950845	9.4	1.112
30	0.218345	1.907224	8.5	1.102
35	0.224847	1.876603	7.9	1.095
40	0.229902	1.853922	7.4	1.090
45	0.233943	1.836447	7.1	1.086
50	0.237248	1.822569	6.8	1.083
55	0.240000	1.811281	6.6	1.080
60	0.242328	1.801919	6.4	1.078

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.010365	60.197249	53397.8	4.015
1	0.036301	9.400143	1167.8	2.045
2	0.062275	5.245660	264.9	1.643
3	0.085126	3.941121	116.3	1.472
4	0.104663	3.323794	68.3	1.378
5	0.121306	2.967695	46.8	1.317
6	0.135544	2.736979	35.3	1.275
7	0.147810	2.575670	28.3	1.245
8	0.158458	2.456667	23.7	1.221
10	0.167773	2.365308	20.5	1.202
12	0.183261	2.234320	16.4	1.175
14	0.195592	2.144959	13.8	1.156
16	0.205627	2.080110	12.2	1.142
18	0.213944	2.030905	11.0	1.131
20	0.220947	1.992288	10.1	1.122
25	0.234399	1.924388	8.6	1.107
30	0.244023	1.880222	7.7	1.097
35	0.251246	1.849189	7.1	1.089
40	0.256865	1.826186	6.7	1.084
45	0.261360	1.808451	6.4	1.080
50	0.265037	1.794359	6.2	1.077
55	0.268101	1.782892	6.0	1.074
60	0.270693	1.773378	5.8	1.072

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
12	0.014114	60.707930	44928.7	4.015
1	0.045364	9.417742	1041.6	2.044
2	0.075801	5.232374	239.3	1.640
3	0.102341	3.918636	105.5	1.469
4	0.124935	3.296765	61.9	1.373
5	0.144193	2.937818	42.4	1.312
6	0.160647	2.705073	31.9	1.270
7	0.174827	2.542201	25.6	1.239
8	0.187143	2.421937	21.4	1.215
9	0.197925	2.329526	18.5	1.196
10	0.215872	2.196858	14.7	1.168
12	0.230185	2.106197	12.4	1.149
14	0.241851	2.040302	10.8	1.134
16	0.251534	1.990230	9.7	1.123
18	0.259697	1.950883	8.9	1.114
20	0.275409	1.881567	7.6	1.099
25	0.286677	1.836371	6.8	1.088
30	0.295151	1.804554	6.2	1.081
35	0.301752	1.730932	5.9	1.076
40	0.307040	1.762697	5.6	1.072
45	0.311371	1.748191	5.4	1.068
50	0.314983	1.736376	5.2	1.066
55	0.318041	1.726565	5.0	1.063
60				

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
14	0.017296	61.075692	40623.0	4.015
1	0.052638	9.430252	973.6	2.043
2	0.086498	5.222446	225.2	1.639
3	0.115879	3.901903	99.4	1.466
4	0.140875	3.276592	58.3	1.371
5	0.162135	2.915438	39.9	1.309
6	0.180326	2.681086	30.0	1.267
7	0.196013	2.516957	24.0	1.235
8	0.209650	2.395661	20.0	1.211
9	0.221559	2.302377	17.3	1.192
10	0.241517	2.168293	13.7	1.164
12	0.257430	2.076517	11.3	1.144
14	0.270422	2.009711	10.0	1.129
16	0.281224	1.958878	9.0	1.118
18	0.290342	1.919882	8.2	1.105
20	0.307929	1.848293	7.0	1.093
25	0.320575	1.802160	6.2	1.083
30	0.330103	1.769621	5.7	1.075
35	0.337540	1.745425	5.3	1.070
40	0.343505	1.726722	5.1	1.066
45	0.348396	1.711828	4.9	1.062
50	0.352479	1.699685	4.7	1.060
55	0.355939	1.689594	4.5	1.058
60				

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
16	1 0.019973	61.353121	38107.3	4.015
	2 0.058543	9.439592	932.5	2.042
	3 0.095103	5.214745	216.6	1.638
	4 0.126735	3.888960	95.6	1.465
	5 0.153628	3.260951	56.1	1.369
	6 0.176506	2.898037	38.4	1.307
	7 0.196094	2.662382	28.8	1.264
	8 0.212999	2.497219	23.0	1.233
	9 0.227709	2.375065	19.2	1.208
	10 0.240610	2.281048	16.5	1.189
	12 0.262145	2.145761	13.0	1.161
	14 0.279381	2.053024	10.9	1.141
	16 0.293476	1.985425	9.5	1.126
	18 0.305213	1.933922	8.5	1.114
	20 0.315135	1.893352	7.8	1.105
	25 0.334311	1.821625	6.6	1.089
	30 0.348135	1.774643	5.8	1.079
	35 0.358572	1.741444	5.3	1.071
	40 0.366732	1.716721	5.0	1.066
	45 0.373286	1.697586	4.7	1.062
	50 0.378666	1.682331	4.5	1.058
	55 0.383163	1.669833	4.4	1.055
	60 0.386976	1.659529	4.2	1.053

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
18	1 0.022232	61.569839	36499.3	4.015
	2 0.063405	9.446828	905.5	2.042
	3 0.102147	5.208596	210.8	1.637
	4 0.135606	3.878648	93.1	1.464
	5 0.164043	3.248467	54.6	1.367
	6 0.188246	2.884115	37.3	1.306
	7 0.208982	2.647384	28.0	1.263
	8 0.226892	2.481356	22.3	1.231
	9 0.242491	2.358478	18.6	1.206
	10 0.256184	2.263838	16.0	1.187
	12 0.279071	2.127518	12.6	1.159
	14 0.297421	2.033947	10.5	1.138
	16 0.312451	1.965654	9.2	1.123
	18 0.324984	1.913560	8.2	1.112
	20 0.335593	1.872480	7.5	1.103
	25 0.356138	1.799734	6.3	1.086
	30 0.370934	1.751984	5.6	1.076
	35 0.382216	1.718184	5.1	1.068
	40 0.391011	1.692978	4.7	1.063
	45 0.398086	1.673444	4.5	1.059
	50 0.403900	1.657855	4.3	1.055
	55 0.408764	1.645123	4.1	1.052
	60 0.412893	1.634525	4.0	1.050

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
20	1 0.024153	61.743800	35403.5	4.015
	2 0.067468	9.452595	886.9	2.041
	3 0.108007	5.203574	206.8	1.636
	4 0.142976	3.870240	91.4	1.463
	5 0.172696	3.238271	53.5	1.367
	6 0.198002	2.872722	36.5	1.305
	7 0.219699	2.635086	27.4	1.261
	8 0.238454	2.468326	21.8	1.230
	9 0.254802	2.344830	18.2	1.205
	10 0.269164	2.249654	15.6	1.186
	12 0.293200	2.112439	12.3	1.157
	14 0.312501	2.018138	10.3	1.136
	16 0.328334	1.949233	8.6	1.121
	18 0.341555	1.896616	7.9	1.110
	20 0.352760	1.855082	7.2	1.101
	25 0.374497	1.781419	6.1	1.084
	30 0.390243	1.732973	5.4	1.073
	35 0.402178	1.698626	4.9	1.066
	40 0.411538	1.672974	4.5	1.060
	45 0.419078	1.653073	4.3	1.056
	50 0.425281	1.637176	4.1	1.052
	55 0.430475	1.624179	3.9	1.050
	60 0.434889	1.613354	3.8	1.047

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
25	1 0.027869	62.058229	33810.2	4.015
	2 0.075169	9.462928	859.1	2.041
	3 0.119066	5.194296	200.8	1.635
	4 0.156868	3.854735	88.7	1.462
	5 0.189009	3.219431	51.9	1.365
	6 0.216408	2.851616	35.4	1.303
	7 0.239936	2.612245	26.5	1.259
	8 0.260310	2.444064	21.1	1.227
	9 0.278101	2.319358	17.5	1.203
	10 0.293760	2.223125	15.0	1.183
	12 0.320034	2.084123	11.8	1.154
	14 0.341205	1.988348	9.8	1.133
	16 0.358627	1.918194	8.5	1.118
	18 0.373218	1.864499	7.6	1.106
	20 0.385618	1.822020	6.9	1.097
	25 0.409773	1.746436	5.7	1.080
	30 0.427361	1.696511	5.0	1.069
	35 0.440751	1.660984	4.6	1.062
	40 0.451290	1.634371	4.2	1.056
	45 0.459806	1.613668	4.0	1.051
	50 0.466832	1.597092	3.8	1.048
	55 0.472728	1.583513	3.7	1.045
	60 0.477748	1.572182	3.5	1.043

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
30 1	0.030532	62.268766	32987.1	4.015
2	0.080584	9.469779	844.5	2.041
3	0.126809	5.187936	197.6	1.635
4	0.166586	3.844127	87.3	1.461
5	0.200425	3.206509	51.0	1.364
6	0.229303	2.837099	34.8	1.302
7	0.254131	2.596488	26.0	1.258
8	0.275662	2.427280	20.7	1.226
9	0.294491	2.301689	17.1	1.201
10	0.311087	2.204675	14.7	1.182
12	0.338993	2.064338	11.5	1.152
14	0.361541	1.967447	9.6	1.132
16	0.380145	1.896335	8.3	1.116
18	0.395763	1.841805	7.3	1.104
20	0.409066	1.798589	6.7	1.095
25	0.435069	1.721484	5.5	1.078
30	0.454087	1.670368	4.8	1.067
35	0.468620	1.633881	4.4	1.059
40	0.480096	1.606474	4.1	1.053
45	0.489394	1.585104	3.9	1.049
50	0.497083	1.567959	3.6	1.045
55	0.503550	1.553889	3.5	1.042
60	0.509065	1.542130	3.4	1.040

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
35 1	0.032527	62.419594	32505.6	4.014
2	0.084590	9.474654	835.8	2.041
3	0.132522	5.183306	195.7	1.635
4	0.173756	3.836412	86.4	1.461
5	0.208852	3.197095	50.5	1.364
6	0.238829	2.826500	34.4	1.301
7	0.264630	2.584960	25.7	1.258
8	0.287029	2.414974	20.4	1.225
9	0.306640	2.288709	16.9	1.200
10	0.323947	2.191096	14.5	1.181
12	0.353097	2.049725	11.3	1.151
14	0.376703	1.951960	9.4	1.131
16	0.396221	1.880093	8.1	1.115
18	0.412639	1.824898	7.2	1.103
20	0.426650	1.781091	6.5	1.094
25	0.454118	1.702753	5.4	1.076
30	0.474283	1.650659	4.7	1.065
35	0.489742	1.613375	4.3	1.057
40	0.501983	1.585304	3.9	1.051
45	0.511925	1.563372	3.7	1.047
50	0.520165	1.545744	3.5	1.043
55	0.527108	1.531254	3.4	1.040
60	0.533040	1.519127	3.2	1.038

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
40				
1	0.034073	62.532957	32198.9	4.014
2	0.087670	9.478299	830.3	2.040
3	0.136909	5.179785	194.5	1.634
4	0.179260	3.830549	85.8	1.461
5	0.215323	3.189932	50.2	1.363
6	0.246150	2.818422	34.1	1.301
7	0.272706	2.576159	25.5	1.257
8	0.295781	2.405564	20.2	1.225
9	0.316004	2.278768	16.8	1.200
10	0.333867	2.180682	14.3	1.180
12	0.363997	2.038487	11.2	1.151
14	0.388442	1.940020	9.3	1.130
16	0.408690	1.867541	8.0	1.114
18	0.425751	1.811805	7.1	1.102
20	0.440333	1.767515	6.4	1.093
25	0.468991	1.688158	5.3	1.075
30	0.490098	1.635248	4.6	1.064
35	0.506325	1.597292	4.2	1.056
40	0.519206	1.568657	3.9	1.050
45	0.529690	1.546243	3.6	1.046
50	0.538396	1.528199	3.4	1.042
55	0.545743	1.513347	3.3	1.039
60	0.552031	1.500899	3.1	1.036

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
45				
1	0.035305	62.621270	31990.8	4.014
2	0.090111	9.481127	826.5	2.040
3	0.140381	5.177017	193.6	1.634
4	0.183616	3.822594	85.5	1.460
5	0.220448	3.184298	49.9	1.363
6	0.251951	2.812061	34.0	1.301
7	0.279109	2.569219	25.3	1.257
8	0.302726	2.398136	20.1	1.224
9	0.323440	2.270911	16.7	1.200
10	0.341752	2.172440	14.2	1.180
12	0.372675	2.029574	11.1	1.150
14	0.397802	1.930531	9.2	1.129
16	0.418646	1.857547	7.9	1.114
18	0.436233	1.801362	7.0	1.101
20	0.451287	1.756668	6.4	1.092
25	0.480932	1.676456	5.2	1.075
30	0.502828	1.622855	4.6	1.063
35	0.519703	1.584324	4.1	1.055
40	0.533128	1.555204	3.8	1.049
45	0.544076	1.532374	3.6	1.045
50	0.553181	1.513969	3.4	1.041
55	0.560879	1.498799	3.2	1.038
60	0.567474	1.486071	3.1	1.035

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
50 1	0.036309	62.692010	31844.1	4.014
2	0.092092	9.483386	823.8	2.040
3	0.143196	5.174784	193.0	1.634
4	0.187149	3.822228	85.2	1.460
5	0.224606	3.179751	49.8	1.363
6	0.256661	2.806922	33.8	1.300
7	0.284311	2.563607	25.2	1.257
8	0.308371	2.392122	20.0	1.224
9	0.329488	2.264544	16.6	1.199
10	0.348169	2.165755	14.2	1.179
12	0.379746	2.022331	11.1	1.150
14	0.405439	1.922807	9.2	1.129
16	0.426779	1.849399	7.9	1.113
18	0.444807	1.792836	7.0	1.101
20	0.460256	1.747800	6.3	1.091
25	0.490735	1.666860	5.2	1.074
30	0.513302	1.612665	4.5	1.063
35	0.530732	1.573639	4.1	1.054
40	0.544625	1.544096	3.8	1.048
45	0.555974	1.520903	3.5	1.044
50	0.565428	1.502190	3.3	1.040
55	0.573431	1.486730	3.2	1.037
60	0.580297	1.473754	3.0	1.035

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
55 1	0.037144	62.749947	31736.0	4.014
2	0.093732	9.485231	821.8	2.040
3	0.145526	5.172944	192.6	1.634
4	0.190072	3.819170	85.0	1.460
5	0.228047	3.176005	49.6	1.363
6	0.260559	2.802684	33.7	1.300
7	0.288619	2.558975	25.2	1.256
8	0.313050	2.387154	20.0	1.224
9	0.334504	2.259279	16.5	1.199
10	0.353494	2.160223	14.1	1.179
12	0.385620	2.016328	11.0	1.149
14	0.411739	1.916397	9.1	1.128
16	0.433549	1.842628	7.9	1.113
18	0.451951	1.785742	6.9	1.101
20	0.467736	1.740413	6.3	1.091
25	0.498929	1.658846	5.2	1.074
30	0.522075	1.604135	4.5	1.062
35	0.539985	1.564676	4.0	1.054
40	0.554286	1.534763	3.7	1.048
45	0.565986	1.511249	3.5	1.043
50	0.575746	1.492245	3.3	1.039
55	0.584019	1.476547	3.1	1.036
60	0.591124	1.463349	3.0	1.034

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
60 1	0.037848	2.798268	31654.6	4.014
2	0.095111	9.486766	820.3	2.040
3	0.147484	5.171403	192.3	1.634
4	0.192530	3.816607	84.8	1.460
5	0.230941	3.172864	49.5	1.363
6	0.263840	2.799129	33.7	1.300
7	0.292246	2.555087	25.1	1.256
8	0.316990	2.382981	19.9	1.224
9	0.338730	2.254854	16.5	1.199
10	0.357982	2.155569	14.1	1.179
12	0.390577	2.011272	11.0	1.149
14	0.417153	1.910991	9.1	1.128
16	0.439272	1.836912	7.8	1.113
18	0.457996	1.779746	6.9	1.100
20	0.474071	1.734163	6.2	1.091
25	0.505881	1.652050	5.1	1.073
30	0.529531	1.596887	4.5	1.062
35	0.547862	1.557047	4.0	1.054
40	0.562522	1.526807	3.7	1.047
45	0.574532	1.503008	3.4	1.043
50	0.584564	1.483753	3.3	1.039
55	0.593076	1.467833	3.1	1.036
60	0.600395	1.454436	3.0	1.033

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.0	161.447639	*	4.012
2	0.0	118.512821	*	2.080
3	0.0	110.127964	*	1.722
4	0.0	7.708647	*	1.585
5	0.0	6.607891	*	1.514
6	0.0	5.987378	*	1.472
7	0.0	5.591448	*	1.444
8	0.0	5.317655	*	1.424
9	0.0	5.117355	*	1.409
10	0.0	4.964603	*	1.397
12	0.0	4.747225	*	1.380
14	0.0	4.600110	*	1.369
16	0.0	4.493998	*	1.361
18	0.0	4.413873	*	1.354
20	0.0	4.351244	*	1.349
25	0.0	4.241699	*	1.340
30	0.0	4.170877	*	1.335
35	0.0	4.121338	*	1.331
40	0.0	4.084746	*	1.328
45	0.0	4.056612	*	1.325
50	0.0	4.034310	*	1.323
55	0.0	4.016195	*	1.322
60	0.0	4.001191	*	1.321

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.0	199.500000	*	4.007
3	0.0	119.000000	*	2.051
4	0.0	9.552095	*	1.677
5	0.0	6.944272	*	1.530
6	0.0	5.786135	*	1.453
7	0.0	5.143253	*	1.407
8	0.0	4.737414	*	1.375
9	0.0	4.458970	*	1.353
10	0.0	4.256495	*	1.337
12	0.0	4.102821	*	1.324
14	0.0	3.988529	*	1.315
16	0.0	3.888992	*	1.309
18	0.0	3.803723	*	1.283
20	0.0	3.733723	*	1.276
25	0.0	3.554557	*	1.270
30	0.0	3.492828	*	1.260
35	0.0	3.385190	*	1.254
40	0.0	3.315930	*	1.249
45	0.0	3.267424	*	1.246
50	0.0	3.231727	*	1.243
55	0.0	3.204317	*	1.241
60	0.0	3.182610	*	1.239
		3.164993	*	1.238
		3.150411	*	1.238

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESS IVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
3	0.0	5.707345	*	4.006
1	0.0	9.164292	*	2.040
2	0.000008	9.276633	133332.3	1.657
3	0.000025	6.591399	244020.5	1.504
4	0.000051	5.409485	86369.7	1.423
5	0.000093	4.757118	42774.3	1.373
6	0.000118	4.346910	25741.7	1.339
7	0.000153	4.066283	17522.6	1.315
8	0.000188	3.862674	12962.8	1.297
9	0.000222	3.708413	10168.8	1.283
10	0.000286	3.490486	7045.5	1.262
11	0.000343	3.344117	5409.3	1.248
12	0.000394	3.239134	4431.0	1.237
13	0.000438	3.160200	3791.2	1.229
14	0.000477	3.098710	3344.7	1.223
15	0.000558	2.991613	2666.1	1.211
16	0.000619	2.922690	2290.3	1.200
17	0.000668	2.874633	2053.7	1.190
18	0.000706	2.835216	1891.9	1.185
19	0.000738	2.812036	1774.7	1.182
20	0.000765	2.790518	1686.1	1.180
25	0.000787	2.772062	1616.6	1.188
30	0.000806	2.758616	1561.0	1.186

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
4	0.0	224.5832241	*	4.005
1	0.000313	19.246951	127712.9	2.034
2	0.001109	9.117738	12228.7	1.645
3	0.002162	6.389317	3586.3	1.487
4	0.003278	5.193812	1674.4	1.403
5	0.004362	4.535867	993.8	1.350
6	0.005377	4.122013	679.2	1.314
7	0.006308	3.841023	508.0	1.288
8	0.007156	3.636686	403.3	1.269
9	0.007927	3.482035	335.5	1.254
10	0.009262	3.263825	253.0	1.231
11	0.010369	3.117467	206.1	1.216
12	0.011298	3.012602	176.4	1.204
13	0.012085	2.933825	156.1	1.195
14	0.012759	2.872502	141.5	1.188
15	0.014083	2.765798	118.3	1.176
16	0.015051	2.697202	104.8	1.168
17	0.015789	2.649411	96.1	1.162
18	0.016370	2.614213	90.0	1.158
19	0.016838	2.587212	85.5	1.154
20	0.017224	2.565846	82.1	1.152
25	0.017546	2.548517	79.3	1.149
30	0.017821	2.534182	77.1	1.148

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.0	0.161878	226.7.3	4.005
1	0.002199	19.297294	226.7.3	2.031
2	0.005662	9.015744	2913.00	1.638
3	0.009434	6.259885	981.27	1.477
4	0.013042	5.055636	495.33	1.389
5	0.016333	4.394034	308.8	1.335
6	0.019282	3.979397	218.2	1.298
7	0.021909	3.696454	167.1	1.271
8	0.024248	3.491578	135.3	1.250
9	0.026335	3.336614	113.9	1.234
10	0.028191	3.118114	87.5	1.210
12	0.032766	2.971675	72.3	1.194
14	0.035151	2.866815	62.4	1.182
16	0.037151	2.788079	55.6	1.171
18	0.038850	2.726313	50.7	1.161
20	0.042151	2.620260	42.7	1.152
25	0.044540	2.531302	38.1	1.143
30	0.046346	2.504127	35.0	1.137
35	0.047739	2.469024	32.9	1.133
40	0.048894	2.442104	31.3	1.129
45	0.049826	2.420806	30.0	1.126
50	0.050604	2.403535	29.1	1.124
55	0.051263	2.389249	28.3	1.122
60				

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.000731	3.9862245	1915707.8	4.005
1	0.005748	19.331483	10265.1	2.028
2	0.012724	8.945006	1508.8	1.633
3	0.019705	6.169935	538.9	1.469
4	0.026097	4.959343	280.7	1.381
5	0.031779	4.294929	178.3	1.325
6	0.036784	3.878804	127.5	1.281
7	0.041139	3.594976	98.3	1.250
8	0.045077	3.389526	80.7	1.233
9	0.048521	3.234165	67.7	1.219
10	0.051433	3.015161	52.3	1.206
12	0.055902	2.868419	43.3	1.196
14	0.059023	2.763357	37.5	1.186
16	0.062882	2.684478	33.4	1.177
18	0.066106	2.623104	30.5	1.169
20	0.068836	2.5716371	28.7	1.163
25	0.074120	2.447800	22.9	1.156
30	0.077930	2.400046	21.1	1.150
35	0.080804	2.364886	19.3	1.145
40	0.083047	2.337922	18.0	1.140
45	0.084846	2.316588	17.0	1.136
50	0.086322	2.299288		1.132
55	0.087533	2.284978		1.128
60	0.088595			1.124

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.0011702	236.7688992	965250.0	4.004
1	0.0101655	19.3562225	6652.4	2.026
2	0.020654	8.8929556	1048.5	1.629
3	0.0306988	6.103545	385.7	1.464
4	0.039693	4.888024	203.9	1.374
5	0.047588	4.221294	130.6	1.318
6	0.054486	3.803850	93.8	1.279
7	0.060524	3.519169	72.7	1.250
8	0.065830	3.313117	59.2	1.229
9	0.070517	3.157305	50.1	1.212
10	0.078398	2.937657	38.7	1.186
11	0.084745	2.790468	32.1	1.166
12	0.089953	2.685072	27.7	1.156
13	0.094297	2.605931	24.7	1.146
14	0.097973	2.544343	22.5	1.138
15	0.105078	2.437214	20.8	1.124
16	0.110194	2.368367	19.6	1.115
17	0.114049	2.320409	18.5	1.108
18	0.117058	2.285090	17.4	1.103
19	0.119470	2.257999	16.3	1.099
20	0.121444	2.236561	15.3	1.096
21	0.123097	2.219175	14.2	1.094
22	0.124494	2.204791	13.4	1.092

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
8	0.002959	238.883450	633712.6	4.004
1	0.014819	19.374916	5098.6	2.026
2	0.028520	8.852961	837.3	1.627
3	0.041306	6.052382	513.1	1.461
4	0.052616	4.832383	366.8	1.370
5	0.062474	4.164188	266.2	1.313
6	0.071050	3.745563	207.2	1.272
7	0.078535	3.460076	177.2	1.244
8	0.085101	3.253425	159.8	1.222
9	0.090893	3.097143	141.2	1.203
10	0.100620	2.876790	121.9	1.179
11	0.108444	2.729082	107.2	1.161
12	0.114860	2.623293	96.6	1.148
13	0.120211	2.543315	87.2	1.138
14	0.124737	2.481956	79.4	1.130
15	0.133433	2.374311	73.4	1.115
16	0.139781	2.305095	68.7	1.106
17	0.144528	2.256859	65.5	1.099
18	0.148232	2.221322	62.7	1.094
19	0.151203	2.194056	60.3	1.090
20	0.153637	2.172474	58.7	1.087
21	0.155668	2.154967	57.3	1.085
22	0.157389	2.140480	56.0	1.083

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.004364	0.544259	479845.4	4.004
1	0.019365	19.389503	4276.9	2.024
2	0.035914	8.821216	720.8	1.625
3	0.051110	6.011672	272.2	1.458
4	0.064450	4.788881	145.6	1.367
5	0.076030	4.118495	93.8	1.309
6	0.086081	3.658810	67.5	1.269
7	0.094842	3.412571	52.3	1.240
8	0.102520	3.205345	42.6	1.217
10	0.109290	3.043598	36.0	1.200
12	0.120653	2.827525	27.8	1.174
14	0.129793	2.679272	22.9	1.156
16	0.137389	2.573039	19.8	1.142
18	0.143541	2.493215	17.5	1.133
20	0.148831	2.431057	15.9	1.125
25	0.159057	2.322833	13.3	1.109
30	0.166425	2.253199	11.8	1.099
35	0.171931	2.204644	10.3	1.092
40	0.176319	2.168856	10.1	1.087
45	0.179798	2.141387	9.6	1.084
50	0.182651	2.119638	9.1	1.080
55	0.185032	2.101990	8.8	1.078
60	0.187049	2.087384	8.6	1.076

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.005817	1.882972	395566.6	4.004
1	0.023645	19.401183	3783.8	2.024
2	0.042697	8.795381	648.9	1.624
3	0.060002	5.978473	246.6	1.456
4	0.075120	4.752907	132.2	1.365
5	0.088213	4.081049	85.2	1.306
6	0.099562	3.660411	61.4	1.266
7	0.109448	3.373478	47.5	1.236
8	0.118109	3.165707	38.7	1.214
9	0.125746	3.008513	32.7	1.196
10	0.138566	2.786732	25.1	1.170
12	0.148832	2.637933	20.7	1.151
14	0.157346	2.531259	17.8	1.137
16	0.164408	2.451068	15.8	1.127
18	0.170386	2.388599	14.3	1.119
20	0.181953	2.279771	11.9	1.104
25	0.190294	2.209694	10.5	1.094
30	0.196589	2.160300	9.6	1.087
35	0.201506	2.124745	9.0	1.082
40	0.205453	2.097058	8.5	1.078
45	0.208690	2.075129	8.1	1.075
50	0.211393	2.057330	7.8	1.072
55	0.213683	2.042594	7.6	1.070

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
12	0.008637	0.907616	309788.3	4.004
1	0.031226	19.418689	3238.2	2.023
2	0.054414	8.755836	567.1	1.622
3	0.075201	5.927531	217.0	1.454
4	0.093265	4.697534	116.6	1.361
5	0.108871	4.023239	75.2	1.302
6	0.122388	3.600969	54.1	1.262
7	0.134159	3.312811	41.8	1.232
8	0.144476	3.104057	34.0	1.206
9	0.153577	2.946039	28.6	1.191
10	0.168870	2.722927	22.0	1.164
11	0.181192	2.573079	18.0	1.145
12	0.191318	2.465545	15.4	1.131
13	0.199778	2.384633	13.7	1.120
14	0.206950	2.321547	12.4	1.112
15	0.220850	2.211504	10.2	1.096
16	0.230899	2.140528	9.9	1.086
17	0.238496	2.090941	8.2	1.079
18	0.244441	2.054334	7.6	1.074
19	0.249219	2.026198	7.2	1.070
20	0.253141	2.003894	6.9	1.067
21	0.256420	1.985779	6.6	1.064
22	0.259200	1.970774	6.4	1.062

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
14	0.011187	245.365808	268383.3	4.004
1	0.037548	19.431156	2954.1	2.022
2	0.063978	8.726964	523.3	1.621
3	0.087502	5.890237	200.9	1.452
4	0.107891	4.656857	108.0	1.356
5	0.125493	3.980629	69.6	1.300
6	0.140740	3.557019	50.0	1.259
7	0.154025	3.267327	38.6	1.228
8	0.165676	3.058223	31.3	1.205
9	0.175964	2.899482	26.4	1.187
10	0.193273	2.675178	20.1	1.160
11	0.207246	2.524371	16.5	1.141
12	0.218747	2.416040	14.1	1.126
13	0.228373	2.334451	12.4	1.115
14	0.236543	2.270782	11.2	1.107
15	0.252415	2.159577	9.9	1.091
16	0.263918	2.087731	8.1	1.081
17	0.272634	2.037466	7.3	1.074
18	0.279466	2.000316	6.8	1.069
19	0.284964	1.971734	6.4	1.065
20	0.289485	1.949060	6.1	1.061
21	0.293266	1.920630	5.9	1.059
22	0.296476	1.915354	5.7	1.057

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.013421	246.465937	245097.0	4.004
2	0.042812	19.440474	2785.4	2.022
3	0.071835	8.704944	496.8	1.620
4	0.097556	5.861737	191.1	1.451
5	0.119822	4.625686	102.8	1.358
6	0.139042	3.947889	66.1	1.298
7	0.155699	3.523164	47.5	1.257
8	0.170224	3.233094	36.6	1.226
9	0.182974	3.022759	29.7	1.203
10	0.194242	2.863385	24.9	1.184
12	0.213228	2.638026	19.0	1.157
14	0.228582	2.486358	15.5	1.138
16	0.241242	2.377304	13.2	1.123
18	0.251855	2.295096	11.6	1.112
20	0.260876	2.230890	10.5	1.103
25	0.278438	2.118604	8.6	1.088
30	0.291201	2.045938	7.5	1.077
35	0.300893	1.995031	6.8	1.070
40	0.308502	1.957363	6.3	1.065
45	0.314636	1.928354	5.9	1.061
50	0.319684	1.905321	5.6	1.057
55	0.323913	1.886587	5.4	1.055
60	0.327505	1.871049	5.2	1.052

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
18	0.015361	247.325394	230413.7	4.004
2	0.047224	19.447697	2676.4	2.022
3	0.078363	8.687592	479.5	1.620
4	0.105885	5.839241	184.6	1.450
5	0.129694	4.601027	99.2	1.357
6	0.150252	3.921932	63.8	1.297
7	0.168079	3.496267	45.8	1.255
8	0.183637	3.205446	35.2	1.225
9	0.197306	2.994477	28.5	1.201
10	0.209398	2.834552	24.0	1.183
12	0.229799	2.608261	18.2	1.155
14	0.246328	2.455824	14.8	1.135
16	0.259980	2.346119	12.6	1.121
18	0.271441	2.263349	11.1	1.110
20	0.281197	2.198651	10.0	1.101
25	0.300228	2.085370	8.2	1.085
30	0.314095	2.011944	7.1	1.074
35	0.324648	1.960435	6.4	1.067
40	0.332948	1.922279	5.9	1.062
45	0.339647	1.892867	5.5	1.057
50	0.345169	1.869494	5.3	1.054
55	0.349798	1.850470	5.0	1.051
60	0.353735	1.834682	4.9	1.049

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
20	1 0.017044	248 .015333	2206 52.1	4.004
	2 0.050958	19.453458	2601.5	2.022
	3 0.083855	8.673564	467.5	1.619
	4 0.112876	5.821029	180.1	1.450
	5 0.137976	4.581028	96.8	1.356
	6 0.159657	3.900841	62.2	1.296
	7 0.178471	3.474375	44.6	1.254
	8 0.194903	3.182906	34.3	1.224
	9 0.209353	2.971385	27.7	1.200
10	0.222146	2.810976	23.3	1.181
12	0.243760	2.583861	17.7	1.153
14	0.261300	2.430736	14.3	1.134
16	0.275809	2.320444	12.2	1.119
18	0.288008	2.237166	10.7	1.108
20	0.298406	2.172022	9.6	1.099
25	0.318729	2.057828	7.8	1.083
30	0.333574	1.983700	6.8	1.072
35	0.344893	1.931631	6.1	1.065
40	0.353812	1.893019	5.6	1.059
45	0.361021	1.863227	5.3	1.055
50	0.366969	1.839334	5.0	1.052
55	0.371962	1.820236	4.8	1.049
60	0.376212	1.804210	4.6	1.047

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
25	1 0.020379	249 .262493	2065 25.2	4.004
	2 0.058148	19.463783	2491.3	2.021
	3 0.094335	8.647976	449.6	1.619
	4 0.126216	5.787751	173.3	1.449
	5 0.153774	4.544395	93.1	1.355
	6 0.177605	3.862115	59.7	1.295
	7 0.198318	3.434084	42.7	1.253
	8 0.216441	3.141331	32.8	1.223
	9 0.232410	2.928704	26.5	1.198
10	0.246574	2.767315	22.2	1.179
12	0.270572	2.538511	16.8	1.151
14	0.290118	2.383963	13.6	1.131
16	0.306342	2.272444	11.5	1.116
18	0.320026	2.188092	10.1	1.105
20	0.331723	2.121998	9.0	1.095
25	0.354688	2.005845	7.3	1.079
30	0.371556	1.930187	6.5	1.068
35	0.384479	1.876889	5.7	1.061
40	0.394700	1.837266	5.2	1.055
45	0.402990	1.806628	4.9	1.051
50	0.409849	1.782216	4.6	1.047
55	0.415620	1.762299	4.4	1.045
60	0.420544	1.745736	4.2	1.042

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
30 1	0.022826	250.097660	199440.6	4.004
2	0.063280	19.470631	2433.7	2.021
3	0.101803	8.630669	440.2	1.618
4	0.135662	5.765198	169.7	1.448
5	0.164961	4.519501	91.1	1.354
6	0.190326	3.835727	58.4	1.294
7	0.212401	3.406556	41.7	1.252
8	0.231746	3.112854	32.0	1.221
9	0.248816	2.899399	25.8	1.197
10	0.263983	2.737269	21.6	1.178
12	0.289736	2.507172	16.3	1.146
14	0.310774	2.351519	13.2	1.129
16	0.328286	2.239036	11.1	1.114
18	0.343094	2.153332	9.7	1.103
20	0.355784	2.086979	8.7	1.093
25	0.380789	1.969238	7.0	1.077
30	0.399244	1.892321	6.0	1.066
35	0.413439	1.837998	5.4	1.058
40	0.424705	1.797525	4.9	1.053
45	0.433868	1.766168	4.6	1.048
50	0.441471	1.741141	4.3	1.045
55	0.447382	1.720692	4.1	1.042
60	0.453362	1.703662	4.0	1.040

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
35 1	0.024685	250.696016	195235.2	4.004
2	0.067114	19.475504	2399.8	2.021
3	0.107346	8.618183	434.5	1.618
4	0.142687	5.748904	167.5	1.448
5	0.173284	4.501481	89.9	1.354
6	0.199796	3.816586	57.6	1.293
7	0.222896	3.386549	41.1	1.251
8	0.243164	3.092119	31.5	1.220
9	0.261072	2.878023	25.4	1.196
10	0.277002	2.715314	21.2	1.177
12	0.304102	2.484201	16.0	1.148
14	0.326295	2.327669	12.9	1.128
16	0.344811	2.214413	10.9	1.113
18	0.360502	2.128520	9.5	1.101
20	0.373975	2.061048	8.5	1.092
25	0.400607	1.942002	6.8	1.076
30	0.420343	1.864036	5.9	1.065
35	0.435576	1.808852	5.2	1.057
40	0.447703	1.767655	4.8	1.051
45	0.457592	1.735684	4.4	1.046
50	0.465815	1.710127	4.2	1.043
55	0.472764	1.689216	4.0	1.040
60	0.478714	1.671781	3.8	1.038

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
40	1 0.026140	251.145764	192603.0	4.004
	2 0.070032	19.479148	2378.1	2.021
	3 0.111627	8.608749	430.9	1.618
	4 0.148110	5.736580	166.1	1.448
	5 0.179710	4.487831	89.1	1.353
	6 0.207114	3.802066	57.1	1.293
	7 0.231013	3.371350	40.7	1.251
	8 0.252003	3.076342	31.2	1.220
	9 0.270568	2.861736	25.1	1.195
	10 0.287101	2.698565	21.0	1.176
	12 0.315268	2.466632	15.8	1.148
	14 0.338381	2.309386	12.7	1.128
	16 0.357702	2.195497	10.7	1.112
	18 0.374104	2.109038	9.4	1.101
	20 0.388213	2.041054	8.3	1.091
	25 0.416175	1.920918	6.7	1.074
	30 0.436969	1.842068	5.7	1.063
	35 0.453068	1.786150	5.1	1.056
	40 0.465917	1.744334	4.7	1.050
	45 0.476419	1.711832	4.3	1.045
	50 0.485171	1.685815	4.1	1.042
	55 0.492579	1.664501	3.9	1.039
	60 0.498933	1.646710	3.7	1.036

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
45	1 0.027309	251.496148	190838.7	4.004
	2 0.072445	19.481977	2363.3	2.021
	3 0.115030	8.601370	428.4	1.618
	4 0.152420	5.726932	165.1	1.448
	5 0.184820	4.477133	88.5	1.353
	6 0.212936	3.790672	56.7	1.293
	7 0.237476	3.359409	40.5	1.250
	8 0.259046	3.063935	31.0	1.215
	9 0.278141	2.848913	24.9	1.195
	10 0.295160	2.685363	20.9	1.176
	12 0.324194	2.452756	15.7	1.147
	14 0.348058	2.294919	12.6	1.127
	16 0.368039	2.180504	10.6	1.112
	18 0.385028	2.093571	9.3	1.100
	20 0.399662	2.025157	8.2	1.091
	25 0.428733	1.904099	6.6	1.074
	30 0.450416	1.824494	5.7	1.063
	35 0.467248	1.767944	5.0	1.055
	40 0.480713	1.725591	4.6	1.049
	45 0.491743	1.692626	4.2	1.044
	50 0.500950	1.666206	4.0	1.041
	55 0.508756	1.644538	3.8	1.038
	60 0.515462	1.626433	3.6	1.035

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
50	1 0.028267	251.776818	189608.4	4.004
	2 0.074371	19.484235	2352.8	2.021
	3 0.117799	8.595441	426.7	1.618
	4 0.155927	5.719175	164.5	1.448
	5 0.188979	4.468523	88.2	1.353
	6 0.217677	3.781493	56.4	1.293
	7 0.242741	3.349780	40.3	1.250
	8 0.264783	3.053920	30.8	1.219
	9 0.284320	2.838553	24.8	1.195
	10 0.301741	2.674689	20.7	1.176
	12 0.331492	2.441517	15.6	1.147
	14 0.355981	2.283184	12.5	1.127
	16 0.376512	2.168324	10.6	1.111
	18 0.393993	2.080989	9.2	1.100
	20 0.409070	2.012210	8.2	1.090
	25 0.439079	1.890361	6.5	1.073
	30 0.461521	1.810104	5.6	1.062
	35 0.478983	1.753006	5.0	1.054
	40 0.492931	1.710184	4.5	1.048
	45 0.504468	1.676313	4.2	1.043
	50 0.514073	1.650037	3.9	1.040
	55 0.522228	1.628054	3.7	1.037
	60 0.529243	1.609669	3.5	1.034

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
55	1 0.029066	252.006697	188678.2	4.004
	2 0.075970	19.486080	2345.1	2.021
	3 0.120096	8.590572	425.4	1.618
	4 0.158835	5.712801	164.0	1.448
	5 0.192429	4.461443	87.9	1.353
	6 0.221612	3.773940	56.3	1.292
	7 0.247114	3.341851	40.1	1.250
	8 0.269559	3.045666	30.7	1.219
	9 0.289456	2.830009	24.7	1.195
	10 0.307214	2.665879	20.6	1.175
	12 0.337569	2.432229	15.3	1.147
	14 0.362586	2.273473	12.5	1.126
	16 0.383585	2.158232	10.5	1.111
	18 0.401484	2.070552	9.1	1.099
	20 0.416939	2.001457	8.1	1.090
	25 0.447752	1.878925	6.5	1.073
	30 0.470850	1.798100	5.5	1.061
	35 0.488859	1.740520	4.9	1.053
	40 0.503323	1.697285	4.5	1.047
	45 0.515211	1.663554	4.1	1.043
	50 0.525166	1.636462	3.9	1.039
	55 0.533631	1.614199	3.7	1.036
	60 0.540921	1.595563	3.5	1.034

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
60	1 0.029742	252 .198426	187968.9	4.004
	2 0.077318	19 .487615	2339.2	2.021
	3 0.122031	8 .586503	424.4	1.618
	4 0.161286	5 .707472	163.6	1.447
	5 0.195337	4 .455520	87.7	1.353
	6 0.224929	3 .767616	56.1	1.292
	7 0.250802	3 .335207	40.0	1.250
	8 0.273586	3 .038746	30.6	1.215
	9 0.293794	2 .822841	24.6	1.194
	10 0.311839	2 .658483	20.5	1.175
	12 0.342709	2 .424422	15.4	1.147
	14 0.368177	2 .265301	12.4	1.126
	16 0.389578	2 .149732	10.4	1.111
	18 0.407837	2 .061753	9.1	1.095
	20 0.423618	1 .992383	8.1	1.089
	25 0.455130	1 .869253	6.5	1.072
	30 0.478800	1 .787929	5.5	1.061
	35 0.497289	1 .729924	4.9	1.053
	40 0.512163	1 .686321	4.4	1.047
	45 0.524406	1 .652270	4.1	1.042
	50 0.534673	1 .624895	3.8	1.039
	55 0.543413	1 .602380	3.6	1.036
	60 0.550948	1 .583519	3.5	1.033

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.0	647.789011	*	4.003
2	0.0	38.5063229	*	2.039
3	0.0	17.4434443	*	1.667
4	0.0	12.2178663	*	1.524
5	0.0	10.006982	*	1.451
6	0.0	8.813101	*	1.407
7	0.0	8.072669	*	1.378
8	0.0	7.570882	*	1.358
9	0.0	7.209283	*	1.342
10	0.0	6.936728	*	1.331
12	0.0	6.553769	*	1.314
14	0.0	6.297939	*	1.302
16	0.0	6.115127	*	1.294
18	0.0	5.978052	*	1.288
20	0.0	5.871494	*	1.283
25	0.0	5.686366	*	1.274
30	0.0	5.567535	*	1.268
35	0.0	5.484820	*	1.264
40	0.0	5.423937	*	1.261
45	0.0	5.377254	*	1.259
50	0.0	5.340323	*	1.257
55	0.0	5.310379	*	1.256
60	0.0	5.285611	*	1.255

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.0	799.500000	*	4.002
3	0.0	39.000000	*	2.025
4	0.0	16.044106	*	1.642
5	0.0	10.649111	*	1.491
6	0.0	8.433621	*	1.413
7	0.0	7.259856	*	1.366
8	0.0	6.541520	*	1.334
9	0.0	6.059467	*	1.312
10	0.0	5.714705	*	1.295
12	0.0	5.456396	*	1.283
14	0.0	5.095367	*	1.264
16	0.0	4.856698	*	1.252
18	0.0	4.686665	*	1.242
20	0.0	4.559672	*	1.235
25	0.0	4.461256	*	1.230
30	0.0	4.290932	*	1.220
35	0.0	4.182061	*	1.214
40	0.0	4.106496	*	1.210
45	0.0	4.050992	*	1.206
50	0.0	4.008502	*	1.204
55	0.0	3.974931	*	1.202
60	0.0	3.947739	*	1.200
		3.925265	*	1.199

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
3	1 0.0	864.162973	*	4.002
	2 0.0	39.165495	*	2.020
	3 0.0	15.4391822	*	1.631
	4 0.0	9.5791999	*	1.476
	5 0.000007	7.763594	788642.5	1.394
	6 0.000012	6.598807	339212.0	1.344
	7 0.000020	5.889832	184228.9	1.311
	8 0.000027	5.415981	116278.1	1.287
	9 0.000035	5.078142	81010.0	1.270
10	0.000043	4.825650	60561.0	1.256
12	0.000058	4.474223	39037.1	1.236
14	0.000071	4.241775	28446.9	1.222
16	0.000084	4.076879	22406.5	1.212
18	0.000096	3.953927	18591.9	1.204
20	0.000106	3.858769	16003.1	1.198
25	0.000128	3.694358	12202.5	1.187
30	0.000144	3.589455	10174.4	1.181
35	0.000153	3.516736	8929.8	1.176
40	0.000169	3.463372	8095.9	1.172
45	0.000178	3.422549	7499.8	1.169
50	0.000186	3.390312	7053.3	1.167
55	0.000192	3.364213	6708.2	1.165
60	0.000198	3.342651	6432.7	1.164

CONFIDENCE LEVEL=.975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
4	1 0.0	899.583310	*	4.001
	2 0.000078	39.248457	1024589.2	2.018
	3 0.000349	15.101153	61819.0	1.624
	4 0.000762	9.604911	14390.8	1.466
	5 0.001238	7.388505	5844.8	1.382
	6 0.001726	6.223025	3159.2	1.330
	7 0.002199	5.533696	2018.3	1.295
	8 0.002646	5.053958	1434.4	1.270
	9 0.003062	4.719613	1095.9	1.251
10	0.003447	4.470069	881.4	1.236
12	0.004126	4.123277	632.9	1.214
14	0.004701	3.894272	497.8	1.199
16	0.005191	3.752020	414.9	1.188
18	0.005611	3.611158	359.6	1.180
20	0.005974	3.517691	320.5	1.173
25	0.006695	3.256367	259.9	1.162
30	0.007230	3.253552	225.7	1.154
35	0.007641	3.132338	203.3	1.149
40	0.007966	3.130110	188.8	1.145
45	0.008230	3.090175	177.8	1.141
50	0.008448	3.058652	169.4	1.139
55	0.008632	3.033139	162.9	1.137
60	0.008788	3.012067	157.6	1.135

CONFIDENCE LEVEL=.975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.0	921.847903	*	4.001
1	0.000866	39.298575	115206.4	2.016
2	0.002588	14.885863	10164.5	1.620
3	0.004644	9.366342	2833.4	1.459
4	0.006713	7.149091	1275.6	1.373
5	0.008664	5.991067	736.3	1.319
6	0.010454	5.289467	492.0	1.283
7	0.012077	4.822166	361.2	1.257
8	0.013542	4.489859	282.3	1.237
9	0.014865	4.242111	231.8	1.221
10	0.017141	3.898087	171.1	1.199
12	0.019020	3.671141	137.0	1.182
14	0.020539	3.510473	115.7	1.171
16	0.021916	3.390864	101.3	1.162
18	0.023051	3.298413	91.0	1.155
20	0.025276	3.138944	74.8	1.143
25	0.026901	3.037385	65.4	1.134
30	0.028138	2.967077	59.5	1.129
35	0.029111	2.915335	55.3	1.124
40	0.029895	2.876136	52.2	1.121
45	0.030541	2.845044	49.9	1.118
50	0.031032	2.819384	48.1	1.116
55	0.031541	2.799108	46.6	1.114
60				

CONFIDENCE LEVEL=.975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.0	937.111084	*	4.001
1	0.002825	39.332408	42122.0	2.015
2	0.006968	14.737077	4424.0	1.617
3	0.011338	9.201186	1335.1	1.454
4	0.015583	6.983025	627.3	1.366
5	0.019403	5.826402	372.1	1.312
6	0.022826	5.126430	255.1	1.274
7	0.025880	4.660589	138.1	1.247
8	0.028603	4.329562	148.5	1.227
9	0.031038	4.082317	122.5	1.211
10	0.033518	3.740418	91.2	1.187
12	0.038578	3.514665	73.4	1.171
14	0.041390	3.354903	62.2	1.158
16	0.043755	3.236004	54.6	1.149
18	0.045770	3.144123	49.1	1.142
20	0.049698	2.985580	40.4	1.129
25	0.052553	2.884804	35.4	1.120
30	0.054719	2.814934	32.2	1.114
35	0.056417	2.763805	30.0	1.110
40	0.057734	2.724639	28.3	1.106
45	0.058908	2.693323	27.0	1.104
50	0.059847	2.668847	26.0	1.101
55	0.060645	2.648224	25.2	1.099
60				

CONFIDENCE LEVEL=.975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.0	948.216889	*	4.001
1	0.005681	39.356861	24167.6	2.014
2	0.012556	14.628099	2790.0	1.615
3	0.019468	9.079931	877.4	1.451
4	0.025833	6.860803	421.6	1.362
5	0.031526	5.704938	253.1	1.306
6	0.036571	5.005922	173.4	1.268
7	0.041036	4.540943	129.5	1.241
8	0.044996	4.210641	102.6	1.220
9	0.048521	3.964497	84.8	1.203
10	0.051502	3.762301	63.3	1.179
12	0.054367	3.597912	51.0	1.162
14	0.056930	3.438629	43.2	1.150
16	0.059275	3.312009	37.9	1.140
18	0.061388	3.202849	34.1	1.132
20	0.063226	3.107054	28.0	1.119
25	0.069279	2.876998	24.5	1.110
30	0.072351	2.700377	22.3	1.104
35	0.074757	2.649353	20.7	1.096
40	0.076692	2.610332	19.5	1.096
45	0.078282	2.579576	18.6	1.093
50	0.079611	2.554673	17.9	1.090
55	0.080738	2.534108	17.4	1.088
60				

CONFIDENCE LEVEL=.975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
8	0.0	956.656221	*	4.001
1	0.008997	39.375352	17168.2	2.013
2	0.018548	14.544775	2097.7	1.613
3	0.027818	8.986395	675.6	1.448
4	0.036209	6.766895	328.5	1.359
5	0.043642	5.611400	198.4	1.303
6	0.050189	4.912930	136.5	1.264
7	0.055950	4.448446	102.1	1.236
8	0.061063	4.118552	81.0	1.215
9	0.065596	3.872737	67.0	1.199
10	0.073273	3.531731	50.0	1.173
12	0.079505	3.306944	40.2	1.156
14	0.084653	3.147875	34.1	1.143
16	0.088970	3.029489	29.9	1.133
18	0.092640	2.937999	26.8	1.125
20	0.099777	2.780207	22.0	1.111
25	0.104953	2.679720	19.2	1.102
30	0.108873	2.610151	17.4	1.096
35	0.111944	2.559146	16.1	1.091
40	0.114414	2.520154	15.2	1.087
45	0.116443	2.489381	14.5	1.084
50	0.118140	2.464477	13.9	1.082
55	0.119579	2.443909	13.5	1.080
60				

CONFIDENCE LEVEL=.975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.0	963.284579	*	4.001
1	0.012452	39.389805	13690.1	2.013
2	0.024479	14.478956	1735.0	1.612
3	0.035894	8.913417	567.0	1.446
4	0.046118	6.692378	277.6	1.356
5	0.055123	5.537019	168.2	1.300
6	0.063028	4.838840	115.9	1.261
7	0.069980	4.374623	86.8	1.232
8	0.076119	4.044939	68.8	1.211
9	0.081568	3.799283	56.9	1.193
10	0.090787	3.458481	42.4	1.168
12	0.098268	3.233797	34.1	1.151
14	0.104445	3.074775	28.8	1.138
16	0.109626	2.956402	25.2	1.128
18	0.114030	2.864906	22.6	1.120
20	0.122597	2.707059	18.5	1.105
25	0.128811	2.606490	16.1	1.096
30	0.133520	2.536857	14.6	1.090
35	0.137210	2.485784	13.5	1.085
40	0.140179	2.446732	12.7	1.081
45	0.142619	2.415904	12.1	1.078
50	0.144658	2.390952	11.6	1.076
55	0.146389	2.370342	11.2	1.074
60				

CONFIDENCE LEVEL=.975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.0	968.627443	*	4.001
1	0.015856	39.401357	11688.5	2.012
2	0.030120	14.425622	1518.5	1.611
3	0.043457	8.853677	501.0	1.445
4	0.055323	6.631750	246.3	1.354
5	0.065737	5.476386	149.5	1.297
6	0.074859	4.778335	103.1	1.258
7	0.082874	4.314242	77.2	1.229
8	0.089948	3.984643	61.2	1.207
9	0.096224	3.739039	50.5	1.190
10	0.106840	3.398266	37.6	1.165
12	0.115455	3.173552	30.2	1.147
14	0.122572	3.014471	25.5	1.134
16	0.128543	2.896025	22.3	1.123
18	0.133620	2.804451	19.9	1.115
20	0.143503	2.646414	16.2	1.101
25	0.150678	2.545584	14.1	1.091
30	0.156118	2.475856	12.7	1.085
35	0.160334	2.424700	11.8	1.080
40	0.163818	2.385541	11.1	1.076
45	0.166640	2.355462	10.5	1.073
50	0.169001	2.332952	10.1	1.071
55	0.171006	2.308913	9.8	1.069
60				

CONFIDENCE LEVEL=.975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
12	0.005443	976.708912	2032519.3	4.001
2	0.022164	39.418800	9558.9	2.012
3	0.040226	14.344419	1280.0	1.610
4	0.056812	8.762491	427.0	1.443
5	0.071455	6.538971	210.8	1.352
6	0.084259	5.383372	128.2	1.294
7	0.095457	4.685318	88.3	1.255
8	0.105288	4.221216	66.1	1.225
9	0.113964	3.891575	52.3	1.203
10	0.121664	3.645891	43.1	1.185
12	0.134698	3.304832	32.0	1.159
14	0.145288	3.079885	25.6	1.141
16	0.154047	2.920508	21.5	1.128
18	0.161405	2.801773	18.8	1.117
20	0.167670	2.709923	16.7	1.109
25	0.179886	2.551276	13.6	1.094
30	0.188775	2.450043	11.7	1.084
35	0.195529	2.379841	10.5	1.078
40	0.200832	2.328300	9.7	1.073
45	0.205106	2.288853	9.1	1.069
50	0.208624	2.257688	8.6	1.066
55	0.211569	2.232445	8.3	1.063
60	0.214070	2.211582	8.0	1.061

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
14	0.007468	982.528976	1677851.3	4.001
2	0.027644	39.431217	8488.3	2.012
3	0.048752	14.285479	1156.1	1.609
4	0.067945	8.696121	387.9	1.442
5	0.084824	6.471241	191.8	1.350
6	0.099562	5.315278	116.6	1.292
7	0.112448	4.617040	80.3	1.252
8	0.123765	4.152771	60.0	1.223
9	0.133757	3.822946	47.4	1.200
10	0.142632	3.577062	39.1	1.182
12	0.157674	3.235631	28.9	1.156
14	0.169916	3.010209	23.0	1.137
16	0.180059	2.850425	19.3	1.124
18	0.188594	2.731311	16.8	1.113
20	0.195871	2.639113	15.0	1.104
25	0.210091	2.479714	12.1	1.089
30	0.220466	2.377876	10.4	1.080
35	0.228366	2.307183	9.3	1.073
40	0.234580	2.255237	8.5	1.067
45	0.239595	2.215449	8.0	1.063
50	0.243728	2.183996	7.6	1.060
55	0.247192	2.158505	7.2	1.058
60	0.250137	2.137428	7.0	1.056

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.0093222	986.919989	1488094.2	4.001
1	0.032327	39.440508	7866.3	2.011
2	0.055910	14.240734	1082.5	1.609
3	0.077224	8.645622	364.3	1.441
4	0.095932	6.419584	180.3	1.349
5	0.112259	5.263226	109.6	1.291
6	0.126539	4.564735	75.4	1.250
7	0.139088	4.100232	56.3	1.221
8	0.150178	3.770168	44.4	1.198
9	0.160037	3.524040	36.5	1.180
10	0.176769	3.182119	26.9	1.153
12	0.190412	2.556225	21.4	1.135
14	0.201736	2.796001	17.9	1.121
16	0.211280	2.676482	15.5	1.110
18	0.219429	2.583912	13.8	1.101
20	0.235390	2.423722	11.1	1.086
25	0.247067	2.321251	9.5	1.076
30	0.255978	2.250043	8.5	1.069
35	0.263000	2.197671	7.8	1.064
40	0.268677	2.157527	7.3	1.060
45	0.273360	2.125771	6.9	1.056
50	0.277290	2.100021	6.6	1.054
55	0.280634	2.078717	6.3	1.052

CONFIDENCE LEVEL=.975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
18	0.010981	990.350454	1366119.2	4.001
1	0.036327	39.447716	7469.7	2.011
2	0.061949	14.205599	1034.9	1.608
3	0.085018	8.605399	349.0	1.440
4	0.105244	6.378871	172.8	1.348
5	0.122898	5.222123	104.9	1.290
6	0.138346	4.523359	72.1	1.249
7	0.151932	4.058600	53.8	1.220
8	0.163949	3.728282	42.4	1.197
9	0.174642	3.481899	34.8	1.179
10	0.192815	3.139475	25.6	1.152
12	0.207661	2.913107	20.3	1.133
14	0.220004	2.752443	17.0	1.119
16	0.230423	2.632520	14.7	1.108
18	0.239333	2.539583	13.0	1.099
20	0.256821	2.378608	10.4	1.083
25	0.269649	2.275308	8.9	1.073
30	0.279461	2.203788	7.9	1.066
35	0.287207	2.150992	7.3	1.061
40	0.293478	2.110492	6.8	1.057
45	0.298659	2.078433	6.4	1.053
50	0.303011	2.052422	6.1	1.051
55	0.306718	2.030893	5.8	1.049

CONFIDENCE LEVEL=.975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
20				
1	0.012454	993.104343	1288658.8	4.001
2	0.039759	39.453467	7199.9	2.011
3	0.067087	14.177276	1002.1	1.608
4	0.091628	8.573830	338.3	1.440
5	0.113134	6.345949	167.5	1.348
6	0.131910	5.188833	101.7	1.239
7	0.148350	4.489797	69.8	1.248
8	0.162820	4.024783	52.0	1.219
9	0.175630	3.694213	41.0	1.196
10	0.187039	3.447578	33.6	1.177
12	0.206455	3.104667	24.7	1.150
14	0.222344	2.877839	19.6	1.131
16	0.235575	2.716752	16.3	1.117
18	0.246761	2.596442	14.1	1.106
20	0.256340	2.503151	12.5	1.097
25	0.275180	2.341420	10.0	1.081
30	0.289036	2.237713	8.5	1.071
35	0.299656	2.165496	7.5	1.064
40	0.308055	2.112288	6.9	1.059
45	0.314865	2.071441	6.4	1.054
50	0.320498	2.039087	6.0	1.051
55	0.325235	2.012820	5.7	1.048
60	0.329274	1.991068	5.5	1.046

CONFIDENCE LEVEL=.975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
25				
1	0.015446	998.082475	1184833.1	4.001
2	0.046471	39.463780	6807.3	2.011
3	0.077042	14.125799	953.3	1.608
4	0.104395	8.515431	322.5	1.439
5	0.128360	6.285869	159.6	1.347
6	0.149303	5.127953	96.8	1.238
7	0.167669	4.428295	66.4	1.247
8	0.183865	3.962695	49.4	1.217
9	0.198232	3.631546	38.3	1.194
10	0.211053	3.384341	31.8	1.175
12	0.232937	3.040327	23.3	1.148
14	0.250914	2.812467	18.4	1.129
16	0.265939	2.650427	15.3	1.114
18	0.278683	2.529244	13.1	1.103
20	0.289629	2.435154	11.6	1.094
25	0.311259	2.271710	9.2	1.078
30	0.327261	2.166615	7.8	1.068
35	0.339586	2.093257	6.9	1.060
40	0.349373	2.039097	6.3	1.055
45	0.357336	1.997443	5.9	1.050
50	0.363942	1.964398	5.5	1.047
55	0.369512	1.937533	5.2	1.044
60	0.374273	1.915258	5.0	1.042

CONFIDENCE LEVEL=.975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
30	1 0.017695	1001.416185	1126125.1	4.001
	2 0.051337	39.470623	6604.2	2.011
	3 0.084196	14.091119	928.5	1.607
	4 0.113547	8.476001	314.1	1.439
	5 0.139268	6.245207	155.4	1.346
	6 0.161771	5.086650	94.2	1.287
	7 0.181533	4.386472	64.5	1.246
	8 0.198937	3.920379	47.9	1.216
	9 0.214495	3.588745	37.6	1.193
	10 0.228357	3.341063	30.8	1.174
	12 0.252076	2.996128	22.5	1.147
	14 0.271621	2.767406	17.7	1.127
	16 0.288005	2.604568	14.7	1.112
	18 0.301941	2.482651	12.6	1.101
	20 0.313942	2.387887	11.1	1.092
	25 0.337747	2.222986	8.8	1.076
	30 0.355448	2.115698	7.4	1.065
	35 0.369139	2.042351	6.5	1.058
	40 0.380051	1.987357	5.9	1.052
	45 0.388936	1.944993	5.5	1.048
	50 0.396364	1.911335	5.1	1.044
	55 0.402625	1.883936	4.8	1.042
	60 0.407987	1.861192	4.6	1.039

CONFIDENCE LEVEL=.975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
35	1 0.019430	1003.804665	1096490.2	4.001
	2 0.0555009	39.475494	6485.1	2.011
	3 0.089566	14.066165	913.5	1.607
	4 0.120406	8.447587	309.2	1.439
	5 0.147445	6.215852	152.9	1.346
	6 0.171122	5.056781	92.6	1.287
	7 0.191941	4.356175	63.4	1.246
	8 0.210332	3.889673	47.0	1.215
	9 0.226732	3.557638	36.9	1.193
	10 0.241394	3.309560	30.2	1.173
	12 0.266530	2.963863	22.0	1.146
	14 0.287297	2.734425	17.3	1.126
	16 0.304748	2.570922	14.3	1.111
	18 0.319625	2.448391	12.3	1.100
	20 0.332464	2.353060	10.8	1.091
	25 0.358016	2.186926	8.5	1.075
	30 0.377098	2.079618	7.2	1.064
	35 0.391912	2.004417	6.3	1.056
	40 0.403735	1.948699	5.7	1.050
	45 0.413448	1.905713	5.2	1.046
	50 0.421530	1.871516	4.9	1.043
	55 0.428376	1.843645	4.6	1.040
	60 0.434249	1.820484	4.4	1.037

CONFIDENCE LEVEL=.975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
40	0.020803	1005.599967	1077585.2	4.001
1	0.057870	39.479137	6409.1	2.011
2	0.093737	14.047349	903.9	1.607
3	0.125731	8.426136	305.9	1.439
4	0.153792	6.193663	151.3	1.346
5	0.178386	5.033417	91.6	1.287
6	0.200032	4.333212	62.6	1.245
7	0.219195	3.866371	46.5	1.215
8	0.236264	3.534001	36.4	1.192
9	0.251559	3.285595	29.8	1.173
10	0.277823	3.093261	24.7	1.145
11	0.299568	2.909225	21.0	1.125
12	0.317878	2.709164	17.4	1.111
13	0.333518	2.545116	14.2	1.099
14	0.347040	2.422116	11.0	1.090
15	0.374027	2.333912	8.3	1.074
16	0.394256	2.250939	7.0	1.055
17	0.410009	2.174998	6.0	1.049
18	0.422640	2.105449	5.3	1.045
19	0.433001	2.047511	4.7	1.041
20	0.441660	2.084046	4.3	1.038
25	0.449008	1.812157	4.0	1.036
30	0.455323	1.738625	4.3	

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
45	0.021914	1006.998639	1063828.8	4.001
1	0.060161	39.481964	6357.6	2.011
2	0.097058	14.032654	897.4	1.607
3	0.129980	8.409368	303.7	1.438
4	0.158859	6.166462	150.1	1.346
5	0.184188	5.016462	90.9	1.286
6	0.206499	4.315206	62.1	1.245
7	0.226269	3.848079	46.1	1.215
8	0.243895	3.515429	36.5	1.191
9	0.259703	3.266746	29.5	1.173
10	0.286896	3.091877	24.4	1.145
11	0.309432	2.919835	21.8	1.125
12	0.328450	2.752480	17.9	1.110
13	0.344721	2.601313	14.9	1.099
14	0.358810	2.465095	11.5	1.090
15	0.386998	2.337009	8.2	1.074
16	0.408194	2.228069	6.9	1.055
17	0.424747	2.151486	6.0	1.049
18	0.438051	2.089458	5.4	1.045
19	0.448989	2.050573	5.0	1.041
20	0.458147	2.015479	4.6	1.040
25	0.465932	1.786319	4.4	1.037
30	0.472633	1.762956	4.2	1.035

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
50				
1	0.022830	1008.119035	1054851.3	4.001
2	0.062034	39.484222	6320.9	2.011
3	0.099787	14.020860	892.7	1.607
4	0.133448	8.395900	302.2	1.438
5	0.162996	6.162341	149.3	1.345
6	0.188926	5.002213	90.3	1.286
7	0.211784	4.300706	61.8	1.245
8	0.232054	3.833338	45.8	1.214
9	0.250139	3.500449	35.9	1.191
10	0.266372	3.251532	29.3	1.172
12	0.294319	2.904207	21.3	1.144
14	0.317533	2.673233	16.7	1.125
16	0.337144	2.508295	13.8	1.110
18	0.353945	2.384429	11.3	1.098
20	0.368513	2.287858	10.3	1.089
25	0.397720	2.113992	8.1	1.072
30	0.419744	2.009393	6.8	1.061
35	0.436985	1.932245	5.9	1.053
40	0.450874	1.874356	5.3	1.048
45	0.462314	1.830420	4.9	1.043
50	0.471909	1.794352	4.6	1.039
55	0.480078	1.765959	4.3	1.037
60	0.487120	1.741800	4.1	1.034

CONFIDENCE LEVEL=.975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
55				
1	0.023597	1009.036684	1046024.1	4.001
2	0.063593	39.486067	6294.0	2.011
3	0.102048	14.011185	889.2	1.607
4	0.136331	8.384845	301.0	1.438
5	0.166435	6.150876	148.7	1.345
6	0.192868	4.990501	90.0	1.286
7	0.216183	4.283780	61.5	1.245
8	0.236872	3.821205	45.6	1.214
9	0.255343	3.488111	35.7	1.191
10	0.271934	3.238992	29.1	1.172
12	0.300524	2.891275	21.2	1.144
14	0.324305	2.659929	16.6	1.124
16	0.344419	2.494641	13.7	1.109
18	0.361672	2.370447	11.7	1.098
20	0.376650	2.273571	10.3	1.089
25	0.406733	2.104024	8.0	1.072
30	0.429473	1.993345	6.7	1.061
35	0.447315	1.916200	5.8	1.053
40	0.461715	1.858378	5.3	1.047
45	0.473597	1.813562	4.8	1.043
50	0.483578	1.777759	4.5	1.039
55	0.492088	1.748468	4.2	1.036
60	0.499434	1.724042	4.0	1.033

CONFIDENCE LEVEL=.975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
60				
1	0.024249	1009.802050	1041665.7	4.001
2	0.064911	39.487602	6273.6	2.011
3	0.103957	14.003105	886.6	1.607
4	0.138765	8.375608	300.1	1.438
5	0.169340	6.141291	148.3	1.345
6	0.196199	4.980703	89.7	1.286
7	0.219902	4.278797	61.3	1.245
8	0.240946	3.811043	45.4	1.214
9	0.259745	3.477772	35.6	1.191
10	0.276641	3.228477	29.0	1.172
12	0.305782	2.880420	21.1	1.144
14	0.330048	2.648750	16.5	1.124
16	0.350596	2.483157	13.6	1.109
18	0.368240	2.358677	11.6	1.098
20	0.383572	2.261532	10.2	1.088
25	0.414416	2.091387	7.9	1.072
30	0.437784	1.980696	6.6	1.061
35	0.456153	1.902608	5.8	1.053
40	0.471004	1.844400	5.2	1.047
45	0.483278	1.799245	4.8	1.042
50	0.493603	1.763140	4.4	1.038
55	0.502418	1.733580	4.2	1.035
60	0.510035	1.708912	4.0	1.033

CONFIDENCE LEVEL=.975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.0	4052.180699	*	4.000
2	0.0	98.502513	*	2.015
3	0.0	34.116222	*	1.628
4	0.0	21.197690	*	1.478
5	0.0	16.258177	*	1.401
6	0.0	13.745023	*	1.356
7	0.0	12.246383	*	1.326
8	0.0	11.258624	*	1.305
9	0.0	10.561431	*	1.289
10	0.0	10.044239	*	1.277
12	0.0	9.330212	*	1.260
14	0.0	8.861593	*	1.248
16	0.0	8.530965	*	1.240
18	0.0	8.285420	*	1.233
20	0.0	8.095958	*	1.228
25	0.0	7.769798	*	1.220
30	0.0	7.562476	*	1.214
35	0.0	7.419117	*	1.210
40	0.0	7.314100	*	1.207
45	0.0	7.233868	*	1.205
50	0.0	7.170577	*	1.203
55	0.0	7.119377	*	1.201
60	0.0	7.077106	*	1.200

CONFIDENCE LEVEL=.99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.0	4999.500001	*	4.000
3	0.0	99.000000	*	2.010
4	0.0	30.816520	*	1.616
5	0.0	18.000000	*	1.460
6	0.0	13.273934	*	1.379
7	0.0	10.924767	*	1.331
8	0.0	9.546578	*	1.299
9	0.0	8.649111	*	1.276
10	0.0	8.021517	*	1.259
12	0.0	7.559432	*	1.246
14	0.0	6.926608	*	1.233
16	0.0	6.514884	*	1.215
18	0.0	6.226235	*	1.206
20	0.0	6.012905	*	1.199
25	0.0	5.848932	*	1.194
30	0.0	5.567997	*	1.184
35	0.0	5.390346	*	1.178
40	0.0	5.267941	*	1.174
45	0.0	5.178508	*	1.170
50	0.0	5.110318	*	1.168
55	0.0	5.056611	*	1.166
60	0.0	5.013219	*	1.165
		4.977432	*	1.163

CONFIDENCE LEVEL=.99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
3	1	5403.352024	*	4.000
	2	99.166201	*	2.008
	3	29.456695	*	1.611
	4	16.694369	*	1.452
	5	12.059954	*	1.366
	6	9.779538	*	1.318
	7	8.451285	*	1.285
	8	7.590992	*	1.261
	9	6.991920	917430.2	1.243
	10	6.552316	645160.3	1.230
	12	5.952549	378786.9	1.210
	14	5.563892	258396.9	1.197
	16	5.292221	193049.2	1.187
	18	5.091898	154082.2	1.179
	20	4.938203	128368.7	1.173
	23	4.675477	92420.4	1.163
	30	4.509753	74073.1	1.156
	35	4.395765	63250.1	1.152
	40	4.312586	56147.2	1.148
	45	4.249226	51176.1	1.146
	50	4.195362	47504.9	1.144
	55	4.159100	44701.7	1.142
	60	4.125912	42461.8	1.140

CONFIDENCE LEVEL=.99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
4	1	5624.583324	*	4.000
	2	99.249372	*	2.007
	3	28.709936	523559.2	1.608
	4	15.977121	90008.0	1.447
	5	11.392100	30412.6	1.362
	6	9.148555	14531.8	1.310
	7	7.846984	8495.9	1.275
	8	7.006498	5647.1	1.250
	9	6.422586	4094.3	1.232
	10	5.994914	3157.1	1.217
	12	5.412663	2127.2	1.196
	14	5.036207	1598.0	1.182
	16	4.773509	1286.4	1.171
	18	4.580057	1085.1	1.163
	20	4.431789	946.0	1.157
	25	4.178676	737.3	1.146
	30	4.019251	623.3	1.139
	35	3.909708	552.3	1.133
	40	3.829834	504.2	1.130
	45	3.769028	469.5	1.127
	50	3.721196	443.4	1.125
	55	3.682589	423.1	1.123
	60	3.650776	406.8	1.121

CONFIDENCE LEVEL=.99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.0	5763.649555	*	4.000
1	0.000254	99.299358	980391.2	2.007
2	0.000929	28.237453	52327.6	1.605
3	0.001840	15.522596	11342.0	1.443
4	0.002824	10.568154	4388.2	1.356
5	0.003793	8.747420	2288.2	1.303
6	0.004710	7.462330	1421.2	1.267
7	0.005561	6.634063	987.3	1.242
8	0.006344	6.059494	740.1	1.222
9	0.007060	5.639169	585.8	1.207
10	0.008314	5.067692	409.5	1.185
12	0.009366	4.698738	316.0	1.170
14	0.010258	4.415554	259.2	1.159
16	0.011019	4.252323	221.6	1.150
18	0.011675	4.107391	195.5	1.144
20	0.012976	3.860188	155.3	1.132
25	0.013937	3.704637	132.9	1.124
30	0.014675	3.597329	118.8	1.119
35	0.015259	3.519990	109.1	1.115
40	0.015732	3.460756	102.1	1.111
45	0.016123	3.414177	96.8	1.109
50	0.016451	3.376591	92.6	1.107
55	0.016731	3.345626	89.2	1.105
60				

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.0	5858.986105	*	4.000
1	0.001119	99.332963	267378.7	2.006
2	0.003194	27.911730	17920.1	1.604
3	0.005612	15.208755	4322.8	1.440
4	0.008022	10.674963	1776.1	1.352
5	0.010283	8.469604	961.5	1.298
6	0.012353	7.195591	612.4	1.262
7	0.014239	6.375509	433.0	1.235
8	0.015939	5.807180	328.9	1.215
9	0.017473	5.391746	262.9	1.200
10	0.020126	4.827415	186.5	1.177
12	0.022321	4.463411	145.0	1.161
14	0.024161	4.209852	119.7	1.149
16	0.025721	4.023387	102.8	1.140
18	0.027059	3.880633	90.9	1.133
20	0.029690	3.637275	72.6	1.121
25	0.031620	3.484232	62.3	1.113
30	0.033095	3.379189	55.6	1.107
35	0.034258	3.302659	51.3	1.103
40	0.035197	3.244436	48.0	1.100
45	0.035971	3.198659	45.5	1.097
50	0.036621	3.161726	43.6	1.095
55	0.037174	3.131303	42.0	1.093
60				

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.0	5928.355728	*	4.000
1	0.002679	99.357146	129365.1	2.006
2	0.006637	27.673625	9863.9	1.603
3	0.010889	14.978941	2520.8	1.438
4	0.014952	10.459900	1068.5	1.349
5	0.018674	8.265494	589.4	1.295
6	0.022029	6.999334	379.9	1.257
7	0.025039	6.185026	270.8	1.230
8	0.027737	5.621074	206.6	1.210
9	0.030160	5.209055	166.0	1.194
10	0.034315	4.649679	118.3	1.170
12	0.037733	4.289079	92.2	1.154
14	0.040584	4.037993	76.3	1.142
16	0.042995	3.853401	65.6	1.133
18	0.045057	3.712114	58.0	1.126
20	0.049100	3.471323	46.3	1.113
25	0.052059	3.319937	39.7	1.104
30	0.054314	3.215051	35.5	1.098
35	0.056090	3.140674	32.6	1.094
40	0.057523	3.082804	30.5	1.091
45	0.058704	3.037544	29.0	1.088
50	0.059693	3.001031	27.7	1.086
55	0.060535	2.970955	26.7	1.084
60				

CONFIDENCE LEVEL=.99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
8	0.0	5981.070320	*	4.000
1	0.004752	99.375425	82643.6	2.005
2	0.010751	27.491949	6811.0	1.602
3	0.016888	14.803281	1801.2	1.436
4	0.022611	10.295227	777.2	1.347
5	0.027780	8.108950	433.1	1.292
6	0.032400	6.848587	280.9	1.254
7	0.036519	6.033513	201.0	1.227
8	0.040196	5.477753	153.9	1.206
9	0.043487	5.068206	123.7	1.190
10	0.049113	4.512385	88.3	1.166
12	0.053727	4.154197	68.9	1.149
14	0.057569	3.904844	56.9	1.137
16	0.060813	3.721553	48.9	1.127
18	0.063585	3.581275	43.2	1.120
20	0.069014	3.342224	34.4	1.106
25	0.072983	3.191943	29.5	1.098
30	0.076008	3.088817	26.3	1.092
35	0.078387	3.013694	24.2	1.087
40	0.080307	2.956545	22.6	1.084
45	0.081889	2.911615	21.4	1.081
50	0.083213	2.875367	20.4	1.078
55	0.084342	2.845509	19.7	1.077
60				

CONFIDENCE LEVEL=.99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.0	6022.473237	*	4.000
1	0.0007115	99.389724	61273.5	2.005
2	0.015126	27.348734	5320.7	1.601
3	0.023068	14.664574	1437.5	1.435
4	0.030363	10.164976	627.2	1.346
5	0.036898	7.984934	351.5	1.290
6	0.042708	6.728989	228.7	1.252
7	0.047870	5.922121	164.0	1.224
8	0.052467	5.363757	125.7	1.203
9	0.056576	4.956054	101.0	1.186
10	0.063589	4.402853	72.1	1.162
12	0.069333	4.046417	56.2	1.145
14	0.074114	3.798305	46.4	1.132
16	0.078148	3.615931	39.8	1.123
18	0.081595	3.476355	35.2	1.115
20	0.088346	3.238493	27.9	1.101
25	0.093280	3.088946	23.9	1.092
30	0.097041	2.986313	21.3	1.086
35	0.100001	2.911542	19.5	1.082
40	0.102389	2.854656	18.2	1.078
45	0.104358	2.809930	17.2	1.075
50	0.106007	2.773844	16.4	1.073
55	0.107409	2.744116	15.8	1.071
60				

CONFIDENCE LEVEL=.99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.0	6055.846715	*	4.000
1	0.009595	99.401207	49725.5	2.005
2	0.019503	27.232910	4472.9	1.601
3	0.029121	14.552221	1226.4	1.434
4	0.037868	10.059309	538.6	1.344
5	0.045661	7.884176	502.9	1.288
6	0.052569	6.631688	197.5	1.250
7	0.058694	5.827309	141.7	1.222
8	0.064144	5.270792	108.6	1.200
9	0.069011	4.864496	87.3	1.184
10	0.077312	4.313271	62.2	1.159
12	0.084110	3.958130	48.4	1.142
14	0.089767	3.710919	39.9	1.129
16	0.094542	3.529199	34.2	1.119
18	0.098622	3.390114	30.2	1.111
20	0.106618	3.153060	23.9	1.097
25	0.112466	3.003991	20.4	1.088
30	0.116925	2.901668	18.1	1.082
35	0.120436	2.827110	16.6	1.077
40	0.123271	2.770378	15.4	1.073
45	0.125608	2.725767	14.6	1.071
50	0.127567	2.589769	13.9	1.068
55	0.129233	2.660113	13.4	1.066
60				

CONFIDENCE LEVEL=.99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
12	0.0	6106.320705	*	4.000
1	0.014498	99.418479	38079.7	2.005
2	0.027757	27.056998	3579.9	1.600
3	0.040301	14.381240	998.6	1.433
4	0.051579	9.898179	441.5	1.343
5	0.061571	7.730238	249.4	1.286
6	0.070401	6.482767	162.8	1.247
7	0.078220	5.681959	116.8	1.218
8	0.085171	5.128055	89.4	1.197
9	0.091377	4.723725	71.8	1.180
10	0.101966	4.175196	51.0	1.154
12	0.110644	3.821766	39.6	1.137
14	0.117873	3.575701	32.5	1.124
16	0.123981	3.394783	27.8	1.114
18	0.129206	3.256276	24.5	1.106
20	0.139463	3.020107	19.2	1.091
25	0.146981	2.871504	16.3	1.082
30	0.152723	2.769445	14.5	1.075
35	0.157251	2.695045	13.2	1.070
40	0.160912	2.638410	12.3	1.067
45	0.163932	2.593859	11.5	1.064
50	0.166467	2.557900	11.0	1.061
55	0.168624	2.528266	10.5	1.059
60				

CONFIDENCE LEVEL=.99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
14	0.0	6142.673372	*	4.000
1	0.019004	99.430827	32508.8	2.005
2	0.035045	26.929679	3134.8	1.600
3	0.050006	14.257204	882.6	1.432
4	0.063379	9.781013	392.0	1.341
5	0.075198	7.618050	221.5	1.284
6	0.085633	6.374004	144.5	1.245
7	0.094871	5.575594	103.6	1.216
8	0.103086	5.023412	79.2	1.194
9	0.110425	4.620347	63.5	1.177
10	0.117861	4.073491	45.1	1.151
12	0.133250	3.721059	34.9	1.133
14	0.141835	3.475614	28.6	1.120
16	0.149100	3.295091	24.3	1.110
18	0.155324	3.156840	21.4	1.102
20	0.167567	2.920976	16.7	1.087
25	0.176565	2.772451	14.1	1.078
30	0.183453	2.670376	12.5	1.071
35	0.188893	2.595921	11.3	1.066
40	0.193299	2.539216	10.5	1.062
45	0.196938	2.494590	9.9	1.059
50	0.199995	2.458557	9.4	1.056
55	0.202593	2.428852	9.0	1.054
60				

CONFIDENCE LEVEL=.99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.0	0.101205	*	4.000
1	0.023002	99.440080	29376.2	2.005
2	0.041355	26.833241	2877.1	1.599
3	0.058316	14.163074	814.4	1.432
4	0.073433	9.691927	362.4	1.341
5	0.086779	7.532589	204.8	1.283
6	0.098551	6.291006	133.6	1.244
7	0.108997	5.494290	95.7	1.215
8	0.118284	4.943300	73.1	1.193
9	0.126588	4.541088	58.5	1.175
10	0.134079	4.25310	41.4	1.149
11	0.140790	3.995310	31.9	1.131
12	0.146999	3.763468	26.6	1.111
13	0.152630	3.55346	22.2	1.099
14	0.157821	3.369818	19.4	1.084
15	0.162533	3.208394	17.2	1.074
16	0.166829	3.065284	15.5	1.067
17	0.170750	2.935039	14.2	1.062
18	0.174340	2.813414	13.0	1.058
19	0.177660	2.695547	11.9	1.055
20	0.180759	2.586774	10.8	1.053
21	0.183682	2.486605	9.8	1.050
22	0.186472	2.390778	8.9	
23	0.189191		8.0	
24	0.191894			
25	0.194529			
26	0.197050			
27	0.199429			
28	0.201714			
29	0.203859			
30	0.205819			
31	0.207652			
32	0.209329			
33	0.210914			
34	0.212359			
35	0.213714			
36	0.214939			
37	0.216092			
38	0.217122			
39	0.218089			
40	0.218951			
41	0.219729			
42	0.220454			
43	0.221114			
44	0.221729			
45	0.222289			
46	0.222790			
47	0.223239			
48	0.223634			
49	0.223979			
50	0.224279			
51	0.224534			
52	0.224749			
53	0.224919			
54	0.225059			
55	0.225164			
56	0.225239			
57	0.225289			
58	0.225319			
59	0.225334			
60	0.225349			

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
18	0.0	0.528710	*	4.000
1	0.026505	99.447265	27418.8	2.005
2	0.046782	26.757653	2713.1	1.599
3	0.065428	14.089183	770.6	1.431
4	0.082012	9.621882	343.3	1.340
5	0.096648	7.465289	194.0	1.283
6	0.109574	6.225348	126.4	1.243
7	0.120322	5.430079	90.5	1.214
8	0.129123	4.879945	69.0	1.191
9	0.136123	4.478330	55.2	1.174
10	0.140368	4.173326	45.0	1.148
11	0.143008	3.933265	39.0	1.131
12	0.145600	3.758176	30.0	1.111
13	0.147689	3.636793	24.5	1.099
14	0.149343	3.536477	20.8	1.084
15	0.150671	3.451927	18.1	1.074
16	0.151735	3.382208	15.5	1.067
17	0.152577	3.322957	14.2	1.062
18	0.153262	3.27297	13.0	1.058
19	0.153811	3.230803	11.9	1.055
20	0.154260	3.195946	10.8	1.053
21	0.154611	3.168869	9.8	1.050
22	0.154889	3.148907	8.9	
23	0.155100	3.135770	8.0	
24	0.155259	3.128752	7.3	
25	0.155377			
26	0.155459			
27	0.155500			
28	0.155514			
29	0.155519			
30	0.155524			
31	0.155529			
32	0.155534			
33	0.155539			
34	0.155544			
35	0.155549			
36	0.155554			
37	0.155559			
38	0.155564			
39	0.155569			
40	0.155574			
41	0.155579			
42	0.155584			
43	0.155589			
44	0.155594			
45	0.155599			
46	0.155604			
47	0.155609			
48	0.155614			
49	0.155619			
50	0.155624			
51	0.155629			
52	0.155634			
53	0.155639			
54	0.155644			
55	0.155649			
56	0.155654			
57	0.155659			
58	0.155664			
59	0.155669			
60	0.155674			

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
20	0.0	6208.730219	*	4.000
1	0.029568	99.4530002	26101.8	2.005
2	0.051476	26.696809	2601.6	1.599
3	0.071544	14.029628	740.6	1.431
4	0.089376	9.565352	330.1	1.340
5	0.105115	7.410903	186.5	1.282
6	0.119022	6.172584	121.5	1.242
7	0.131358	5.378059	86.8	1.213
8	0.142353	4.828561	66.2	1.191
9	0.152204	4.427375	52.9	1.173
10	0.169097	3.882788	37.3	1.147
12	0.183039	3.531481	28.6	1.128
14	0.194733	3.286548	23.3	1.114
16	0.204677	3.106192	19.8	1.104
18	0.213235	2.967908	17.2	1.095
20	0.223017	2.873154	13.3	1.080
25	0.242736	2.582320	11.1	1.070
30	0.252414	2.479531	9.7	1.063
35	0.260102	2.404407	8.8	1.057
40	0.266355	2.347094	8.1	1.053
45	0.271543	2.301922	7.6	1.050
50	0.275914	2.265400	7.2	1.048
55	0.279649	2.235256	6.8	1.045
60				

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
25	0.0	6239.825119	*	4.000
1	0.035692	99.463297	24217.9	2.005
2	0.060735	26.586434	2439.2	1.599
3	0.083554	13.921409	696.5	1.431
4	0.103810	9.462447	310.5	1.339
5	0.121703	7.311726	175.3	1.281
6	0.137537	6.075931	114.0	1.241
7	0.151609	5.282877	81.4	1.212
8	0.164177	4.734393	62.0	1.189
9	0.175461	4.333853	49.4	1.171
10	0.194870	3.789888	34.7	1.145
12	0.210955	3.438702	26.5	1.126
14	0.224496	3.193636	21.5	1.112
16	0.236052	3.013015	18.2	1.101
18	0.246028	2.874400	15.8	1.092
20	0.265878	2.637123	12.1	1.077
25	0.280680	2.487007	10.1	1.066
30	0.292148	2.333413	8.8	1.059
35	0.301295	2.307577	7.9	1.054
40	0.308764	2.249638	7.2	1.050
45	0.314978	2.203915	6.7	1.046
50	0.320230	2.166905	6.4	1.044
55	0.324728	2.136328	6.0	1.041
60				

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
30	1 0.0	62 50.648578	* 4.000	4.000
2	0.040226	99.470133	232 54.8	2.005
3	0.067508	26.512226	23 55.0	1.599
4	0.092302	13.848512	573.3	1.430
5	0.114212	9.392988	300.2	1.338
6	0.133773	7.244647	169.4	1.280
7	0.151020	6.010263	110.1	1.240
8	0.166372	5.218249	78.5	1.211
9	0.180108	4.670335	59.7	1.188
10	0.192461	4.270121	47.5	1.170
12	0.213765	3.726369	33.3	1.143
14	0.231479	3.375073	25.4	1.124
16	0.246439	3.129739	20.6	1.110
18	0.259242	2.948775	17.3	1.099
20	0.270326	2.809784	15.0	1.090
25	0.292470	2.571547	11.5	1.075
30	0.309072	2.420540	9.5	1.064
35	0.321991	2.316155	8.2	1.057
40	0.332336	2.239624	7.4	1.051
45	0.340810	2.181074	6.7	1.047
50	0.347881	2.134814	6.3	1.044
55	0.353872	2.097329	5.9	1.041
60	0.359013	2.066329	5.6	1.039

CONFIDENCE LEVEL=.99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
35	1 0.0	62 75.567904	* 4.000	4.000
2	0.043693	99.474999	227 00.5	2.004
3	0.072650	26.458903	23 05.5	1.599
4	0.098928	13.796064	659.7	1.430
5	0.122263	9.342940	294.1	1.338
6	0.142914	7.196241	165.8	1.280
7	0.161239	5.962878	107.7	1.240
8	0.177573	5.171476	76.7	1.210
9	0.192209	4.623909	58.3	1.188
10	0.205390	4.223870	46.4	1.170
12	0.228170	3.680155	32.4	1.143
14	0.247163	3.328670	24.7	1.124
16	0.263245	3.083039	19.5	1.109
18	0.277043	2.901730	16.8	1.098
20	0.289014	2.762374	14.5	1.089
25	0.313018	2.523237	11.1	1.073
30	0.331095	2.371405	9.1	1.063
35	0.345217	2.266290	7.9	1.055
40	0.356563	2.189118	7.0	1.050
45	0.365884	2.130005	6.4	1.045
50	0.373682	2.083247	6.0	1.042
55	0.380305	2.045320	5.6	1.039
60	0.385997	2.013927	5.3	1.037

CONFIDENCE LEVEL=.99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
40	1 0.0	6286.782060	#	4.000
	2 0.046421	99.478640	22345.4	2.004
	3 0.076675	26.418747	2273.8	1.598
	4 0.104108	13.756517	650.9	1.430
	5 0.128477	9.305160	290.1	1.338
	6 0.150063	7.159660	163.5	1.290
	7 0.169237	5.927027	106.1	1.240
	8 0.186348	5.136048	75.6	1.210
	9 0.201697	4.588707	57.4	1.187
	10 0.215538	4.188763	45.6	1.169
	12 0.239500	3.645004	31.8	1.142
	14 0.259524	3.293309	24.2	1.123
	16 0.276516	3.047390	19.5	1.109
	18 0.291124	2.865758	16.4	1.097
	20 0.303824	2.726068	14.2	1.089
	25 0.329363	2.486115	10.8	1.073
	30 0.348673	2.333540	8.9	1.062
	35 0.363809	2.227767	7.6	1.054
	40 0.376006	2.150015	6.8	1.049
	45 0.386051	2.090390	6.2	1.044
	50 0.394474	2.043179	5.7	1.041
	55 0.401640	2.004848	5.4	1.038
	60 0.407814	1.973094	5.1	1.036

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
45	1 0.0	6295.518731	#	4.000
	2 0.048618	99.481466	22103.3	2.004
	3 0.079907	26.387408	2252.4	1.598
	4 0.108264	13.725632	644.9	1.430
	5 0.133464	9.275628	287.4	1.338
	6 0.155902	7.131039	161.9	1.290
	7 0.175661	5.898953	105.1	1.239
	8 0.193401	5.108281	74.8	1.210
	9 0.209331	4.561092	56.7	1.187
	10 0.223709	4.161199	45.1	1.169
	12 0.248638	3.617362	31.4	1.142
	14 0.269511	3.265458	23.9	1.123
	16 0.287255	3.019271	19.3	1.108
	18 0.302537	2.837345	16.2	1.097
	20 0.315844	2.697355	14.0	1.088
	25 0.342674	2.456672	10.6	1.072
	30 0.363030	2.303434	8.7	1.061
	35 0.379032	2.197071	7.5	1.053
	40 0.391960	2.118797	6.6	1.048
	45 0.402633	2.058711	6.0	1.043
	50 0.411600	2.011090	5.6	1.040
	55 0.419243	1.972393	5.2	1.037
	60 0.425839	1.940310	4.9	1.035

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
50	0.0	6302.517196	*	4.000
1	0.050424	99.483723	21933.6	2.004
2	0.082557	26.362271	2237.1	1.598
3	0.111669	13.700843	640.6	1.430
4	0.137550	9.251909	285.4	1.338
5	0.160507	7.103035	160.8	1.280
6	0.180931	5.876371	104.3	1.239
7	0.199191	5.085930	74.2	1.210
8	0.215602	4.538848	56.3	1.187
9	0.230427	4.138981	44.7	1.169
10	0.256151	3.595049	31.1	1.141
12	0.277744	3.242948	23.7	1.122
14	0.296121	3.096517	19.1	1.108
16	0.311972	2.814327	16.0	1.097
18	0.325794	2.674069	13.8	1.088
20	0.353724	2.432734	10.4	1.071
25	0.374977	2.278904	8.5	1.061
30	0.391729	2.172013	7.3	1.053
35	0.405294	2.093271	6.5	1.047
40	0.416516	2.032769	5.9	1.043
45	0.425960	1.984777	5.5	1.039
50	0.434024	1.945748	5.1	1.036
55	0.440993	1.913366	4.8	1.034

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
55	0.0	6308.249227	*	4.000
1	0.051934	99.485567	21809.3	2.004
2	0.084768	26.341660	2225.8	1.598
3	0.114510	13.680507	637.4	1.430
4	0.140959	9.232440	284.0	1.338
5	0.164433	7.089141	159.9	1.280
6	0.185331	5.857813	103.7	1.239
7	0.204028	5.067550	73.8	1.209
8	0.220843	4.520545	55.9	1.187
9	0.236045	4.120688	44.4	1.168
10	0.262461	3.576659	30.9	1.141
12	0.284648	3.224375	23.5	1.122
14	0.303564	2.977723	19.9	1.107
16	0.319901	2.795296	15.8	1.096
18	0.334165	2.654798	13.7	1.087
20	0.363044	2.412882	10.3	1.071
25	0.385076	2.258522	8.4	1.060
30	0.402483	2.151158	7.2	1.052
35	0.416607	2.071995	6.4	1.047
40	0.428313	2.011117	5.8	1.042
45	0.438181	1.962789	5.4	1.039
50	0.446620	1.923458	5.0	1.036
55	0.453922	1.890803	4.7	1.033

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
60	0.0	0.030051	*	4.000
1	0.053215	99.487102	21714.5	2.004
2	0.086640	26.324455	2217.3	1.598
3	0.116914	13.663524	635.0	1.430
4	0.143845	9.216172	282.9	1.338
5	0.167758	7.073346	159.3	1.279
6	0.189059	5.842290	103.3	1.239
7	0.208128	5.052169	73.4	1.209
8	0.225288	4.505221	55.7	1.186
9	0.240812	4.105365	44.2	1.163
10	0.267813	3.561238	30.7	1.141
12	0.290518	3.208787	23.3	1.122
14	0.309900	2.961935	18.8	1.107
16	0.326657	2.779296	15.7	1.096
18	0.341304	2.638582	13.6	1.087
20	0.357101	2.536147	10.2	1.071
25	0.393726	2.241312	8.4	1.060
30	0.411710	2.133523	7.2	1.052
35	0.426330	2.053979	6.4	1.046
40	0.438466	1.993761	5.8	1.042
45	0.448712	1.944128	5.3	1.038
50	0.457486	1.904521	5.0	1.035
55	0.465088	1.871618	4.7	1.033
60				

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.0	16210.722709	*	4.000
2	0.0	198.501253	*	2.008
3	0.0	55.551957	*	1.613
4	0.0	31.332772	*	1.458
5	0.0	22.784781	*	1.378
6	0.0	18.634996	*	1.331
7	0.0	16.235558	*	1.300
8	0.0	14.688199	*	1.279
9	0.0	13.613609	*	1.263
10	0.0	12.826470	*	1.250
12	0.0	11.754230	*	1.233
14	0.0	11.060253	*	1.221
16	0.0	10.575458	*	1.212
18	0.0	10.218087	*	1.206
20	0.0	9.943935	*	1.201
25	0.0	9.475312	*	1.192
30	0.0	9.179677	*	1.186
35	0.0	8.976295	*	1.182
40	0.0	8.827859	*	1.179
45	0.0	8.714771	*	1.177
50	0.0	8.625758	*	1.175
55	0.0	8.553876	*	1.174
60	0.0	8.494617	*	1.173

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.0	19999.499960	*	4.000
3	0.0	199.000000	*	2.005
4	0.0	49.799278	*	1.605
5	0.0	26.284271	*	1.446
6	0.0	18.313830	*	1.363
7	0.0	14.544106	*	1.313
8	0.0	12.403957	*	1.281
9	0.0	11.042412	*	1.258
10	0.0	10.106714	*	1.240
12	0.0	9.426999	*	1.227
14	0.0	8.509627	*	1.209
16	0.0	7.921642	*	1.196
18	0.0	7.513820	*	1.187
20	0.0	7.214834	*	1.180
25	0.0	6.986465	*	1.174
30	0.0	6.598199	*	1.165
35	0.0	6.354689	*	1.159
40	0.0	6.187841	*	1.154
45	0.0	6.066426	*	1.151
50	0.0	5.974134	*	1.149
55	0.0	5.901617	*	1.147
60	0.0	5.843141	*	1.145
		5.794991	*	1.144

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
3	1 0.0	21614.741446	*	4.000
	2 0.0	199.166435	*	2.004
	3 0.0	47.467228	*	1.602
	4 0.0	24.259120	*	1.440
	5 0.0	16.529770	*	1.356
	6 0.0	12.916601	*	1.305
	7 0.0	10.882447	*	1.271
	8 0.0	9.596475	*	1.247
	9 0.0	8.717055	*	1.229
	10 0.0	8.080747	*	1.215
	12 0.0	7.225764	*	1.195
	14 0.0	6.680353	*	1.183
	16 0.0	6.303385	*	1.172
	18 0.0	6.027768	*	1.163
	20 0.0	5.817702	*	1.159
	25 0.000004	5.461522	431033.5	1.149
	30 0.000005	5.238796	335569.5	1.142
	35 0.000005	5.086501	280897.9	1.138
	40 0.000006	4.975845	245097.0	1.134
	45 0.000006	4.891827	220263.3	1.130
	50 0.000007	4.825974	202428.1	1.128
	55 0.000007	4.772729	188678.2	1.127
	60 0.000007	4.728956	178570.4	1.127

CONFIDENCE LEVEL=.995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
4	1 0.0	22499.583305	*	4.000
	2 0.0	199.249687	*	2.004
	3 0.0	46.194622	*	1.600
	4 0.0000068	23.154535	359711.2	1.437
	5 0.000130	15.556125	105931.2	1.351
	6 0.000202	12.027631	46081.9	1.299
	7 0.000278	10.050630	25200.6	1.264
	8 0.000354	8.805307	15927.6	1.239
	9 0.000429	7.956100	11102.7	1.220
	10 0.000501	7.343057	8295.0	1.206
	12 0.000634	6.521456	5327.8	1.185
	14 0.000752	5.998783	3867.2	1.171
	16 0.000856	5.638274	3033.3	1.161
	18 0.000948	5.375111	2506.9	1.153
	20 0.001029	5.174795	2150.1	1.147
	25 0.001194	4.835689	1626.8	1.136
	30 0.001319	4.624017	1348.1	1.129
	35 0.001418	4.479461	1177.6	1.124
	40 0.001497	4.374525	1063.4	1.120
	45 0.001562	4.294906	981.9	1.117
	50 0.001617	4.232441	921.1	1.115
	55 0.001662	4.182130	874.0	1.113
	60 0.001702	4.140745	836.5	1.112

CONFIDENCE LEVEL=.995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.0	23055.798235	*	4.000
1	0.0	199.259649	*	2.003
2	0.000429	45.391817	179855.1	1.599
3	0.000917	22.456793	32215.5	1.435
4	0.001473	14.940196	11112.6	1.347
5	0.002040	11.464514	5365.0	1.294
6	0.002589	9.523097	3153.4	1.258
7	0.003107	8.303046	2101.2	1.233
8	0.003591	7.472600	1524.6	1.213
9	0.004038	6.873988	1175.3	1.198
10	0.004430	6.073072	790.4	1.177
12	0.005504	5.564473	592.1	1.162
14	0.006080	5.214143	475.3	1.151
16	0.006576	4.958681	399.7	1.142
18	0.007006	4.764389	347.6	1.136
20	0.007865	4.435836	269.3	1.125
25	0.008505	4.230995	226.6	1.117
30	0.008999	4.091222	200.0	1.112
35	0.009392	3.989820	182.1	1.108
40	0.009711	3.912921	169.1	1.105
45	0.009976	3.852613	159.4	1.103
50	0.010198	3.804056	151.8	1.101
55	C.010389	3.764123	145.7	1.099
60				

CONFIDENCE LEVEL=.995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.0	23437.111072	*	4.000
1	0.0	199.332962	*	2.003
2	0.001731	44.835064	51176.1	1.598
3	0.003310	21.975689	10407.0	1.433
4	0.004891	14.514906	3859.7	1.345
5	0.006412	11.075196	1951.0	1.290
6	0.007829	9.157973	1182.9	1.254
7	0.009131	7.955070	805.8	1.228
8	0.010319	7.137331	594.4	1.208
9	0.011400	6.548478	464.0	1.192
10	0.013285	5.761517	317.6	1.170
12	0.014860	5.262389	240.7	1.155
14	0.016189	4.918894	194.7	1.143
16	0.017323	4.668593	164.8	1.135
18	0.018300	4.478333	143.9	1.128
20	0.020233	4.156826	112.3	1.116
25	0.021661	3.956536	94.9	1.108
30	0.022757	3.819943	84.0	1.102
35	0.023624	3.720890	76.5	1.098
40	0.024327	3.645795	71.2	1.095
45	0.024908	3.586917	67.2	1.092
50	0.025396	3.539521	64.0	1.090
55	0.025811	3.500550	61.5	1.089
60				

CONFIDENCE LEVEL=.995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.0	23714.565868	*	4.000
1	0.0001528	199.357198	454544.5	2.003
2	0.004133	44.435294	25302.6	1.597
3	0.007084	21.623745	5521.4	1.431
4	0.009983	14.203350	2128.6	1.343
5	0.012688	10.789617	1101.7	1.288
6	0.015159	8.889819	678.3	1.251
7	0.017396	7.699234	467.1	1.224
8	0.019416	6.890596	347.1	1.204
9	0.021242	6.308715	272.5	1.198
10	0.024396	5.531687	187.8	1.165
12	0.027011	5.039268	143.0	1.149
14	0.029206	4.700597	116.0	1.137
16	0.031071	4.453923	98.3	1.128
18	0.032672	4.266490	85.9	1.121
20	0.035829	3.949899	67.1	1.109
25	0.038152	3.752768	56.7	1.100
30	0.039931	3.618373	50.2	1.095
35	0.041335	3.520937	45.7	1.090
40	0.042472	3.447082	42.5	1.087
45	0.043410	3.389184	40.1	1.084
50	0.044198	3.342582	38.2	1.082
55	0.044868	3.304268	36.7	1.080
60				

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
8	0.0	23925.406212	*	4.000
1	0.0002958	199.375357	267378.7	2.003
2	0.007192	44.127408	16322.9	1.597
3	0.011707	21.354989	3717.3	1.430
4	0.016013	13.565098	1465.8	1.341
5	0.019959	10.570926	768.8	1.286
6	0.023523	8.684227	477.3	1.248
7	0.026726	7.502864	330.4	1.221
8	0.029603	6.701018	246.5	1.200
9	0.032192	6.124321	193.9	1.184
10	0.036646	5.354645	134.1	1.161
12	0.040324	4.867161	102.2	1.144
14	0.043403	4.532017	82.9	1.132
16	0.046014	4.287983	70.2	1.123
18	0.048253	4.102397	61.4	1.116
20	0.052660	3.783544	47.9	1.103
25	0.055898	3.594666	40.4	1.094
30	0.058375	3.461829	35.7	1.089
35	0.060330	3.265533	32.5	1.084
40	0.061912	3.292548	30.2	1.081
45	0.063217	3.235335	28.4	1.078
50	0.064312	3.189287	27.1	1.076
55	0.065245	3.151429	26.0	1.074
60				

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.0	24091.004035	*	4.000
2	0.004709	199.389560	187264.9	2.003
3	0.010635	43.884847	12182.2	1.596
4	0.016714	21.142963	2850.8	1.429
5	0.022403	13.776878	1140.0	1.340
6	0.027562	10.397953	602.7	1.284
7	0.032189	8.521401	375.9	1.246
8	0.036329	7.347167	261.0	1.219
9	0.040037	6.550553	195.0	1.198
10	0.043367	5.977833	153.6	1.181
12	0.049082	5.213767	106.2	1.158
14	0.053793	4.730021	80.9	1.141
16	0.057732	4.397530	65.6	1.126
18	0.061070	4.155470	55.5	1.119
20	0.063932	3.971603	48.5	1.112
25	0.069562	3.661155	37.7	1.098
30	0.073698	3.467916	31.8	1.090
35	0.076862	3.336202	28.0	1.084
40	0.079359	3.240721	25.5	1.079
45	0.081379	3.168354	23.6	1.076
50	0.083046	3.111625	22.2	1.073
55	0.084445	3.065965	21.1	1.071
60	0.085637	3.028427	20.3	1.069

CONFIDENCE LEVEL=.995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.0	24224.486871	*	4.000
2	0.006642	199.400972	145771.6	2.003
3	0.014222	43.688792	9913.7	1.596
4	0.021794	20.971367	2363.3	1.429
5	0.028793	13.624353	953.8	1.339
6	0.035096	10.257603	506.7	1.283
7	0.040727	8.389139	316.9	1.244
8	0.045752	7.220563	220.3	1.217
9	0.050244	6.428082	164.7	1.196
10	0.054275	5.858492	129.7	1.179
12	0.061186	5.098814	89.7	1.155
14	0.066873	4.617967	68.3	1.138
16	0.071637	4.287517	55.3	1.126
18	0.075669	4.046962	46.7	1.116
20	0.079127	3.864247	40.8	1.108
25	0.085930	3.555748	31.6	1.095
30	0.090931	3.363719	26.6	1.086
35	0.094738	3.232822	23.4	1.080
40	0.097779	3.137928	21.2	1.075
45	0.100224	3.066001	19.7	1.072
50	0.102243	3.009614	18.5	1.069
55	0.103938	2.964227	17.6	1.066
60	0.105381	2.926910	16.8	1.064

CONFIDENCE LEVEL=.995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
12	0.0	24426.366101	*	4.000
1	0.010663	199.418151	105707.2	2.003
2	0.021264	43.391255	7608.2	1.596
3	0.031519	20.710513	1854.7	1.428
4	0.040859	13.392100	756.4	1.337
5	0.049208	10.043542	403.9	1.281
6	0.056636	8.187107	253.2	1.242
7	0.063249	7.026897	176.2	1.214
8	0.069155	6.240493	131.7	1.193
9	0.074449	5.675475	103.7	1.176
10	0.083525	4.922143	71.5	1.151
12	0.091004	4.445431	54.3	1.134
14	0.097262	4.117851	43.8	1.121
16	0.102569	3.879383	37.0	1.111
18	0.107123	3.698243	32.1	1.103
20	0.116099	3.392355	24.8	1.089
25	0.122709	3.201895	20.7	1.080
35	0.127776	3.072029	18.2	1.074
40	0.131783	2.977855	16.4	1.069
45	0.135028	2.906457	15.2	1.065
50	0.137711	2.850472	14.2	1.062
55	0.139965	2.805399	13.5	1.060
60	0.141886	2.768334	12.9	1.058

CONFIDENCE LEVEL=.995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
14	0.0	24571.767335	*	4.000
1	0.014531	199.430449	87411.6	2.002
2	0.027712	43.176104	6495.9	1.595
3	0.040236	20.521515	1603.3	1.427
4	0.051556	13.223487	657.3	1.336
5	0.061639	9.887836	351.8	1.280
6	0.070597	8.039881	220.6	1.241
7	0.078568	6.885524	153.5	1.212
8	0.085686	6.103335	114.6	1.191
9	0.092070	5.541459	90.1	1.174
10	0.103025	4.792426	62.0	1.148
12	0.112064	4.318453	46.9	1.131
14	0.119638	3.992731	37.8	1.118
16	0.126071	3.755582	31.8	1.108
18	0.131539	3.575412	27.6	1.100
20	0.142517	3.271064	21.2	1.095
25	0.150579	3.081469	17.6	1.076
35	0.156772	2.952134	15.4	1.069
40	0.161678	2.858307	13.9	1.065
45	0.165658	2.787146	12.8	1.061
50	0.168951	2.731329	11.9	1.058
55	0.171722	2.686379	11.3	1.055
60	0.174084	2.649406	10.8	1.053

CONFIDENCE LEVEL=.995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.0	24681.467261	*	4.000
1	0.018064	199.439673	77398.4	2.002
2	0.033423	43.013258	5864.8	1.595
3	0.047857	20.378231	1458.3	1.427
4	0.060848	13.095446	599.6	1.336
5	0.072402	9.769404	321.2	1.279
6	0.082662	7.927725	201.4	1.240
7	0.091794	6.777669	140.0	1.211
8	0.099954	5.998551	104.5	1.189
9	0.107278	5.438943	82.0	1.172
10	0.111986	4.692963	56.3	1.147
12	0.130262	4.220890	42.5	1.129
14	0.158992	3.856420	34.2	1.115
16	0.146419	3.660132	28.7	1.105
20	0.152812	3.480574	24.8	1.097
25	0.165465	3.177135	18.5	1.083
30	0.174836	2.987993	15.7	1.073
35	0.182051	2.858857	13.7	1.066
40	0.187776	2.765199	12.3	1.061
45	0.192428	2.694104	11.3	1.057
50	0.196284	2.638319	10.5	1.054
55	0.199531	2.593380	9.9	1.052
60	0.202302	2.556405	9.5	1.050

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
18	0.0	24767.170365	*	4.000
1	0.021224	199.446841	71224.1	2.002
2	0.038426	42.885698	5468.9	1.595
3	0.054477	20.265844	1366.2	1.427
4	0.068888	12.994876	562.7	1.335
5	0.081696	9.676254	301.5	1.278
6	0.093072	7.839395	185.0	1.239
7	0.103203	6.692619	131.3	1.210
8	0.112262	5.915824	97.8	1.188
9	0.120401	5.357915	76.8	1.171
10	0.134402	4.614188	52.6	1.145
12	0.145998	4.143478	39.6	1.127
14	0.155748	3.819877	31.7	1.114
16	0.164057	3.584163	26.6	1.103
20	0.171219	3.404994	23.0	1.093
25	0.185428	3.102076	17.5	1.080
30	0.195980	2.913135	14.4	1.071
35	0.204124	2.784100	12.5	1.064
40	0.210595	2.690397	11.2	1.059
45	0.215869	2.619266	10.3	1.055
50	0.220242	2.563430	9.6	1.052
55	0.223929	2.518433	9.0	1.049
60	0.227030	2.481399	8.6	1.047

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
20	0.0	24835.970812	*	4.000
1	0.024025	199.452567	67113.1	2.002
2	0.042801	42.783071	5201.9	1.595
3	0.060232	20.175323	1303.7	1.426
4	0.075860	12.913777	537.5	1.335
5	0.089747	9.601052	287.9	1.278
6	0.102086	7.768003	180.4	1.238
7	0.113083	6.623805	125.2	1.209
8	0.122926	5.848821	93.3	1.187
9	0.131775	5.292224	73.1	1.170
10	0.147021	4.550207	50.0	1.144
12	0.159670	4.080502	37.6	1.126
14	0.170325	3.757518	30.1	1.112
16	0.179419	3.522191	25.1	1.102
18	0.187269	3.343266	21.7	1.094
20	0.202878	3.040621	16.4	1.079
25	0.214502	2.851722	13.5	1.069
30	0.223494	2.722637	11.7	1.062
35	0.230656	2.623847	10.5	1.057
40	0.236495	2.557616	9.6	1.053
45	0.241347	2.501677	8.9	1.049
50	0.245442	2.456581	8.4	1.047
55	0.248945	2.419453	8.0	1.045
60				

CONFIDENCE LEVEL=.995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
25	0.0	24960.340449	*	4.000
1	0.029735	199.462848	61273.5	2.002
2	0.051555	42.597021	4817.3	1.595
3	0.071677	20.010973	1212.5	1.426
4	0.089689	12.766304	500.4	1.334
5	0.105703	9.464088	268.0	1.277
6	0.119952	7.637781	167.7	1.237
7	0.132675	6.498097	116.2	1.208
8	0.144086	5.726247	86.4	1.186
9	0.154367	5.171837	67.6	1.168
10	0.172135	4.432705	46.0	1.142
12	0.186939	3.964581	34.5	1.124
14	0.199457	3.642491	27.5	1.110
16	0.210180	3.407663	22.9	1.099
18	0.219467	3.228992	19.7	1.091
20	0.238026	2.926430	14.8	1.076
25	0.251936	2.737268	12.1	1.066
30	0.262753	2.607806	10.4	1.058
35	0.271406	2.513615	9.3	1.053
40	0.278488	2.441952	8.5	1.049
45	0.284392	2.385685	7.8	1.046
50	0.289389	2.340249	7.4	1.043
55	0.293673	2.302807	7.0	1.041
60				

CONFIDENCE LEVEL=.995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
30	0.0	25043.627717	*	4.000
1	0.034031	199.469677	58342.1	2.002
2	0.058046	42.472024	4619.6	1.595
3	0.080117	19.900369	1165.2	1.426
4	0.099869	12.666880	481.0	1.334
5	0.117446	9.371581	257.5	1.276
6	0.133108	7.549671	161.0	1.237
7	0.147115	6.412894	111.4	1.208
8	0.159700	5.643028	82.8	1.185
9	0.171061	5.090054	64.7	1.168
10	0.190745	4.352557	43.9	1.141
12	0.207203	3.885288	32.8	1.123
14	0.221165	3.563609	26.1	1.109
16	0.233160	3.328936	21.7	1.098
18	0.243579	3.150271	18.6	1.089
20	0.264490	2.847396	13.9	1.074
25	0.280249	2.657744	11.3	1.064
30	0.292560	2.527761	9.7	1.056
35	0.302448	2.433067	8.6	1.051
40	0.310568	2.360979	7.8	1.047
45	0.317356	2.304247	7.2	1.043
50	0.323117	2.258424	6.8	1.041
55	0.329063	2.220632	6.4	1.038
60				

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
35	0.0	25103.300271	*	4.000
1	0.037350	199.474542	56638.3	2.002
2	0.063016	42.382262	4504.3	1.595
3	0.086561	19.820844	1137.3	1.426
4	0.107634	12.595300	469.5	1.334
5	0.126404	9.304893	251.2	1.276
6	0.143150	7.486067	157.0	1.236
7	0.158149	6.351308	108.6	1.207
8	0.171645	5.582800	80.5	1.185
9	0.183845	5.030756	62.9	1.167
10	0.205032	4.294343	42.6	1.141
12	0.222797	3.827570	31.8	1.122
14	0.237908	3.506073	25.2	1.108
16	0.250924	3.271405	20.9	1.097
18	0.262257	3.092643	17.9	1.088
20	0.285084	2.789315	13.1	1.073
25	0.302369	2.599112	10.8	1.062
30	0.315927	2.468581	9.3	1.055
35	0.326834	2.373375	8.3	1.049
40	0.335853	2.300818	7.4	1.045
45	0.343397	2.243660	6.8	1.042
50	0.349814	2.197452	6.4	1.039
55	0.355340	2.159311	6.0	1.037
60				

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
40	0.0	25148.153262	*	4.000
1	0.039980	199.478181	55616.4	2.002
2	0.066931	42.314674	4430.4	1.595
3	0.091626	19.760909	1119.4	1.426
4	0.113735	12.541299	462.1	1.334
5	0.133446	9.254531	247.2	1.276
6	0.151050	7.437986	154.4	1.236
7	0.166836	6.304705	106.7	1.207
8	0.181057	5.537179	79.1	1.184
9	0.193930	4.985795	61.7	1.167
10	0.216325	4.250121	41.8	1.140
12	0.235147	3.783648	31.1	1.121
14	0.251195	3.462217	24.6	1.107
16	0.265048	3.227486	20.4	1.096
18	0.277133	3.048586	17.5	1.087
20	0.301551	2.744769	13.0	1.072
25	0.320117	2.554019	10.5	1.061
30	0.334730	2.422959	8.9	1.054
35	0.346543	2.327262	7.9	1.048
40	0.356299	2.254258	7.1	1.044
45	0.364496	2.196695	6.6	1.040
50	0.371483	2.150121	6.1	1.038
55	0.377511	2.111648	5.8	1.035

CONFIDENCE LEVEL=.995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
45	0.0	25183.097046	*	4.000
1	0.0422109	199.481005	54883.7	2.002
2	0.070087	42.261948	4380.7	1.595
3	0.095706	19.714119	1107.3	1.426
4	0.113650	12.499108	457.1	1.334
5	0.1339119	9.215151	244.4	1.276
6	0.157418	7.400359	152.6	1.236
7	0.173844	6.268205	105.4	1.207
8	0.188657	5.501419	78.1	1.184
9	0.202079	4.950526	60.9	1.166
10	0.223467	4.215379	41.2	1.140
12	0.245163	3.749091	30.6	1.121
14	0.261988	3.427665	24.2	1.107
16	0.276537	3.192840	20.1	1.096
18	0.289252	3.013789	17.1	1.087
20	0.315013	2.709489	12.7	1.071
25	0.334668	2.518223	10.2	1.061
30	0.350187	2.386667	8.7	1.053
35	0.362766	2.290512	7.7	1.047
40	0.373179	2.217092	6.9	1.043
45	0.381946	2.159153	6.4	1.040
50	0.389433	2.112237	5.9	1.037
55	0.395904	2.073455	5.6	1.034

CONFIDENCE LEVEL=.995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
50	1 0.0	25211.0887779	*	4.000
	2 0.043867	199.483262	54346.8	2.002
	3 0.0072685	42.219666	4345.3	1.594
	4 0.0059059	19.676575	1098.6	1.426
	5 0.122689	12.465233	453.5	1.334
	6 0.143784	9.183513	242.4	1.276
	7 0.162657	7.370108	151.3	1.236
	8 0.179613	6.238842	104.5	1.207
	9 0.194917	5.472633	77.4	1.184
100	0.208798	4.922115	60.3	1.166
12	0.233014	4.187358	40.7	1.140
14	0.253443	3.721186	30.3	1.121
16	0.270923	3.399733	24.0	1.106
18	0.286063	3.164801	19.8	1.095
20	0.299313	2.985599	16.9	1.087
25	0.326221	2.680841	12.5	1.071
30	0.346815	2.489095	10.1	1.060
35	0.363119	2.357082	8.6	1.052
40	0.376366	2.260307	7.5	1.047
45	0.387355	2.186703	6.8	1.042
50	0.396625	2.128416	6.2	1.039
55	0.404555	2.081185	5.8	1.036
60	0.411419	2.042116	5.4	1.034

CONFIDENCE LEVEL=.995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
55	1 0.0	25234.015065	*	4.000
	2 0.045340	199.485105	53994.7	2.002
	3 0.074857	42.185005	4319.0	1.594
	4 0.101863	19.645784	1092.2	1.425
	5 0.126066	12.437436	450.8	1.334
	6 0.147636	9.157537	240.9	1.276
	7 0.167041	7.345253	150.3	1.236
	8 0.184443	6.214707	103.8	1.206
	9 0.200162	5.448959	76.9	1.184
100	0.214429	4.898738	59.9	1.166
12	0.239349	4.164278	40.4	1.139
14	0.260402	3.698178	30.0	1.120
16	0.278442	3.376679	23.7	1.106
18	0.294087	3.141637	19.6	1.095
20	0.307798	2.962290	16.7	1.086
25	0.335697	2.657105	12.3	1.070
30	0.357108	2.464918	9.9	1.060
35	0.374099	2.332487	8.4	1.052
40	0.387935	2.235526	7.4	1.046
45	0.399433	2.161371	6.7	1.042
50	0.409150	2.102764	6.1	1.038
55	0.417475	2.055243	5.7	1.035
60	0.424691	2.015909	5.3	1.033

CONFIDENCE LEVEL=.995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
60	0.0	25253.136964	*	4.000
1	0.046593	199.486640	53704.7	2.002
2	0.076701	42.156075	4299.3	1.594
3	0.104241	19.620073	1087.4	1.425
4	0.128931	12.414216	448.8	1.334
5	0.150996	9.135328	239.8	1.276
6	0.170762	7.324481	149.6	1.236
7	0.188544	6.194518	103.3	1.206
8	0.204618	5.429146	76.5	1.184
9	0.219217	4.879165	59.6	1.166
10	0.244740	4.144935	40.2	1.139
12	0.266330	3.678878	29.8	1.120
14	0.284854	3.357326	23.6	1.106
16	0.300938	3.122176	19.5	1.095
18	0.315048	2.942692	16.6	1.086
20	0.343814	2.637113	12.2	1.070
25	0.365942	2.444522	9.8	1.059
30	0.383540	2.311708	8.3	1.052
35	0.397897	2.214395	7.3	1.046
40	0.409850	2.139918	6.6	1.041
45	0.419966	2.081017	6.0	1.038
50	0.428645	2.033228	5.6	1.035
55	0.436178	1.993651	5.3	1.032
60				

CONFIDENCE LEVEL=.995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.0	405284.072584	*	4.000
2	0.0	998.500251	*	2.002
3	0.0	167.029224	*	1.596
4	0.0	74.137293	*	1.433
5	0.0	47.180779	*	1.348
6	0.0	35.507490	*	1.298
7	0.0	29.245193	*	1.265
8	0.0	25.414760	*	1.242
9	0.0	22.857125	*	1.225
10	0.0	21.039595	*	1.212
12	0.0	18.643322	*	1.193
14	0.0	17.143360	*	1.181
16	0.0	16.120196	*	1.172
18	0.0	15.379306	*	1.165
20	0.0	14.818776	*	1.160
25	0.0	13.876697	*	1.151
30	0.0	13.293014	*	1.145
35	0.0	12.866335	*	1.141
40	0.0	12.609358	*	1.138
45	0.0	12.392170	*	1.136
50	0.0	12.222106	*	1.134
55	0.0	12.085346	*	1.133
60	0.0	11.972987	*	1.132

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.0	499999.501262	*	4.000
1	0.0	999.000001	*	2.001
2	0.0	148.500000	*	1.593
3	0.0	61.245353	*	1.428
4	0.0	37.122330	*	1.341
5	0.0	27.000000	*	1.239
6	0.0	21.688999	*	1.254
7	0.0	18.493653	*	1.230
8	0.0	16.387150	*	1.212
9	0.0	14.905359	*	1.199
10	0.0	12.973666	*	1.179
12	0.0	11.778371	*	1.166
14	0.0	10.970990	*	1.156
16	0.0	10.389912	*	1.149
18	0.0	9.952623	*	1.144
20	0.0	9.222510	*	1.134
25	0.0	8.773398	*	1.128
30	0.0	8.469681	*	1.124
35	0.0	8.250751	*	1.121
40	0.0	8.085519	*	1.118
45	0.0	7.956418	*	1.116
50	0.0	7.852783	*	1.115
55	0.0	7.767762	*	1.114
60	0.0			

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
3	0.0	540379.203234	*	4.000
1	0.0	999.166619	*	2.001
2	0.0	141.108461	*	1.592
3	0.0	56.177188	*	1.426
4	0.0	33.202463	*	1.338
5	0.0	23.703309	*	1.285
6	0.0	18.772270	*	1.249
7	0.0	15.829490	*	1.224
8	0.0	13.901303	*	1.206
9	0.0	12.552745	*	1.192
10	0.0	10.804204	*	1.172
12	0.0	9.729366	*	1.158
14	0.0	9.005937	*	1.148
16	0.0	8.487455	*	1.141
18	0.0	8.098380	*	1.135
20	0.0	7.451075	*	1.129
25	0.0	7.054457	*	1.118
30	0.0	6.786970	9999999.0	1.114
35	1.9E-7	6.594540	9999999.0	1.111
40	2.1E-7	6.449532	9999999.0	1.111
45	2.3E-7	6.336371	4999999.0	1.108
50	2.4E-7	6.245620	4999999.0	1.106
55	2.6E-7	6.171231	4999999.0	1.104
60	2.7E-7		4999999.0	1.103

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
4	0.0	562499.577559	*	4.000
1	0.0	999.249939	*	2.001
2	0.0	137.100363	*	1.592
3	0.000006	53.435832	9999999.0	1.424
4	0.000014	31.095012	1999999.0	1.336
5	0.000024	21.923553	6666665.7	1.282
6	0.000035	17.198011	313499.0	1.246
7	0.000047	14.391608	178570.4	1.220
8	0.000060	12.560349	112358.6	1.202
9	0.000073	11.282788	78124.0	1.187
10	0.000097	9.632775	45044.0	1.166
12	0.000120	8.622380	30302.0	1.152
14	0.000141	7.944273	22370.4	1.142
16	0.000160	7.459357	17635.7	1.134
18	0.000177	7.096122	14576.3	1.128
20	0.000212	6.493165	10297.7	1.117
25	0.000240	6.124641	8155.6	1.111
30	0.000262	5.876333	6890.9	1.106
35	0.000280	5.698274	6070.6	1.102
40	0.000295	5.564078	5499.6	1.100
45	0.000308	5.459437	5080.3	1.098
50	0.000318	5.375573	4758.6	1.096
55	0.000328	5.306865	4507.6	1.094
60	0.000328			

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.0	576404.562282	*	4.000
1	0.0	999.299930	*	2.001
2	0.000072	134.580051	3333332.3	1.591
3	0.000183	51.711642	357141.9	1.423
4	0.000327	29.752529	95237.1	1.334
5	0.000486	20.802859	38460.5	1.290
6	0.000649	16.206060	19919.3	1.243
7	0.000810	13.485014	12047.2	1.217
8	0.000964	11.714053	8109.3	1.198
9	0.001110	10.481167	5884.8	1.183
10	0.001378	8.892661	3611.7	1.161
12	0.001612	7.922453	2532.6	1.147
14	0.001816	7.272587	1934.0	1.136
16	0.001995	6.808575	1564.2	1.128
18	0.002152	6.461424	1317.9	1.122
20	0.002472	5.886056	964.4	1.111
25	0.002714	5.535001	780.7	1.103
30	0.002904	5.298939	670.4	1.098
35	0.003056	5.129488	597.4	1.095
40	0.003131	5.002011	545.9	1.092
45	0.003285	4.902664	507.7	1.090
50	0.003373	4.823079	478.3	1.088
55	0.003448	4.757902	455.1	1.086
60				

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.0	585937.109212	*	4.000
1	0.0	999.333261	*	2.001
2	0.000463	132.847623	588234.3	1.591
3	0.000981	50.525350	78739.2	1.423
4	0.001569	28.834885	22987.5	1.333
5	0.002168	20.030380	9919.6	1.278
6	0.002748	15.521760	5360.9	1.241
7	0.003296	12.859130	3350.2	1.215
8	0.003809	11.129405	2310.1	1.195
9	0.004283	9.927048	1708.4	1.180
10	0.005128	8.380532	1077.1	1.157
12	0.005849	7.437729	769.3	1.142
14	0.006467	6.807103	595.1	1.131
16	0.007001	6.357321	485.9	1.123
18	0.007466	6.021112	412.4	1.116
20	0.008398	5.464499	305.6	1.105
25	0.009097	5.125306	249.3	1.097
30	0.009638	4.897421	215.1	1.092
35	0.010070	4.733945	192.4	1.088
40	0.010422	4.611025	176.2	1.085
45	0.010715	4.515268	164.2	1.083
50	0.010961	4.438584	155.0	1.081
55	0.011172	4.375800	147.6	1.079
60				

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.0	592873.290010	*	4.000
1	0.000419	999.357186	9999999.0	2.001
2	0.001396	131.583257	2222221.2	1.591
3	0.002652	49.658649	332221.6	1.422
4	0.003976	28.163791	10276.5	1.332
5	0.005265	19.464925	4588.3	1.276
6	0.006478	15.020426	2540.3	1.239
7	0.007601	12.400236	1614.5	1.212
8	0.008634	10.700443	1126.9	1.192
9	0.009579	9.520224	841.0	1.177
10	0.011240	8.004121	537.0	1.154
12	0.012640	7.081132	386.7	1.139
14	0.013830	6.464397	300.8	1.127
16	0.014851	6.024876	246.5	1.119
18	0.015736	5.696548	209.8	1.112
20	0.017499	5.153422	156.1	1.100
25	0.018813	4.822745	127.6	1.092
30	0.019827	4.600720	110.2	1.087
35	0.020633	4.441523	98.6	1.083
40	0.021239	4.321863	90.4	1.079
45	0.021833	4.228673	84.3	1.077
50	0.022291	4.154061	79.5	1.075
55	0.022633	4.092986	75.7	1.073
60				

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
8	0.0	598144.159612	*	4.000
1	0.000999	999.375174	3333332.3	2.001
2	0.002831	130.619735	120480.9	1.591
3	0.005102	48.997480	193378.8	1.422
4	0.007340	27.651338	6191.0	1.331
5	0.009463	19.032740	2821.3	1.275
6	0.011426	14.635918	1583.3	1.238
7	0.013222	12.048915	1015.8	1.211
8	0.014838	10.371796	713.7	1.190
9	0.016348	9.208329	533.2	1.174
10	0.018944	7.715201	343.9	1.151
12	0.021119	6.807149	248.5	1.136
14	0.022960	6.200865	193.7	1.124
16	0.024534	5.769049	158.9	1.115
18	0.025895	5.446631	135.3	1.108
20	0.028599	4.913593	100.7	1.096
25	0.030607	4.589268	82.3	1.088
30	0.032156	4.371605	71.1	1.082
35	0.033385	4.215587	63.5	1.078
40	0.034385	4.098345	58.2	1.075
45	0.035213	4.007056	54.2	1.072
50	0.035910	3.933978	51.1	1.070
55	0.036505	3.874166	48.7	1.068
60				

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESS IVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.0	602284.001018	*	4.000
1	0.001840	999.389219	2499599.0	2.001
2	0.004799	129.861047	80644.2	1.591
3	0.008099	48.476350	13439.9	1.421
4	0.011328	27.247041	4394.6	1.331
5	0.014340	18.691461	2029.5	1.274
6	0.017096	14.333820	1148.6	1.237
7	0.019600	11.771034	746.8	1.209
8	0.021869	10.111658	522.4	1.189
10	0.023927	8.561283	392.7	1.173
12	0.027501	7.486077	253.0	1.149
14	0.030484	6.589647	183.1	1.133
16	0.033003	5.991475	142.7	1.121
18	0.035155	5.565627	117.1	1.112
20	0.037012	5.247776	99.7	1.105
25	0.040698	4.722513	74.1	1.092
30	0.043434	4.403063	60.5	1.084
35	0.045542	4.188738	52.1	1.078
40	0.047215	4.033145	46.6	1.074
45	0.048575	3.919746	42.6	1.071
50	0.049701	3.829902	39.6	1.068
55	0.050650	3.757989	37.3	1.066
60	0.051459	3.699135	35.5	1.064

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.0	605620.969187	*	4.000
1	0.002890	999.400503	1666665.7	2.001
2	0.007004	129.248118	60240.0	1.591
3	0.011413	48.054948	10383.2	1.421
4	0.015644	26.919819	3444.9	1.330
5	0.019549	18.415004	1604.7	1.274
6	0.023098	14.088090	912.9	1.236
7	0.026308	11.545575	590.7	1.208
8	0.029208	9.900443	417.4	1.187
10	0.031832	8.760564	314.2	1.171
12	0.036380	7.299696	202.6	1.147
14	0.040169	6.412538	146.6	1.131
16	0.043366	5.820820	114.3	1.116
18	0.046095	5.399708	93.7	1.110
20	0.048430	5.085472	79.7	1.102
25	0.053123	4.566340	59.1	1.089
30	0.056590	4.250719	48.1	1.081
35	0.059263	4.039004	41.4	1.075
40	0.061384	3.887302	36.9	1.071
45	0.063109	3.773333	33.7	1.067
50	0.064538	3.684611	31.3	1.065
55	0.065741	3.613599	29.5	1.062
60	0.066767	3.553485	28.0	1.061

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
12	1 0.0	610667.832302	*	4.000
	2 0.0005369	999.417505	1111110.1	2.001
	3 0.011790	128.318528	41665.7	1.590
	4 0.018340	47.415054	7433.9	1.421
	5 0.024483	26.422340	2510.3	1.329
	6 0.030080	17.994215	1180.6	1.273
	7 0.035131	13.713653	675.4	1.234
	8 0.039677	11.201664	438.4	1.206
	9 0.043773	9.577940	310.2	1.185
	10 0.047473	8.453804	233.6	1.169
	12 0.053876	7.014375	150.6	1.145
	14 0.059207	6.141017	108.8	1.128
	16 0.063704	5.558862	84.6	1.115
	18 0.067544	5.144737	69.2	1.106
	20 0.070859	4.833813	58.8	1.098
	25 0.077445	4.325634	43.3	1.085
	30 0.082339	4.015554	35.1	1.076
	35 0.086116	3.807589	30.1	1.070
	40 0.089118	3.658587	26.3	1.066
	45 0.091560	3.546652	24.4	1.062
	50 0.093586	3.439514	22.6	1.059
	55 0.095293	3.389771	21.2	1.057
	60 0.096750	3.332695	20.1	1.055

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
14	1 0.0	614302.749952	*	4.000
	2 0.008033	999.429707	833332.3	2.001
	3 0.016579	127.646865	33332.3	1.590
	4 0.025054	46.952032	6074.3	1.420
	5 0.032903	26.061845	2071.5	1.329
	6 0.040011	17.688857	979.2	1.272
	7 0.046404	13.441559	561.5	1.233
	8 0.052149	10.951425	364.8	1.205
	9 0.057321	9.342989	258.2	1.184
	10 0.061993	8.230061	194.4	1.167
	12 0.070078	6.805827	125.1	1.143
	14 0.076816	5.942186	90.2	1.126
	16 0.082507	5.366719	69.9	1.113
	18 0.087372	4.957447	57.1	1.102
	20 0.091577	4.652188	48.3	1.096
	25 0.099946	4.148123	25.5	1.082
	30 0.106182	3.841770	28.6	1.073
	35 0.111004	3.636296	24.4	1.067
	40 0.114843	3.489067	21.6	1.062
	45 0.117971	3.378453	19.7	1.058
	50 0.120568	3.292335	18.2	1.055
	55 0.122759	3.223401	17.0	1.053
	60 0.124631	3.166983	16.1	1.051

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
16	1 0.0	617045 .192002	*	4.000
	2 0.010651	999.438869	714284.7	2.001
	3 0.021074	127.138924	28900.7	1.590
	4 0.031232	46.601378	5326.7	1.420
	5 0.040573	25.788499	1827.2	1.328
	6 0.049005	17.457037	865.9	1.271
	7 0.056577	13.234747	497.0	1.232
	8 0.063380	10.761008	322.9	1.204
	9 0.069506	9.164010	228.4	1.183
	10 0.075041	8.059445	171.8	1.166
	12 0.084631	6.646496	110.4	1.141
	14 0.092634	5.790024	79.3	1.124
	16 0.099405	5.219454	61.4	1.111
	18 0.105203	4.813710	50.0	1.101
	20 0.110221	4.511096	42.2	1.093
	25 0.120231	4.011386	30.8	1.079
	30 0.127711	3.707641	24.8	1.070
	35 0.133508	3.503980	21.1	1.064
	40 0.138132	3.357850	18.6	1.059
	45 0.141906	3.248117	16.9	1.055
	50 0.145043	3.162670	15.6	1.052
	55 0.147693	3.094263	14.6	1.050
	60 0.149960	3.038268	13.8	1.048

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
18	1 0.0	619187.694625	*	4.000
	2 0.013115	999.445987	624999.0	2.000
	3 0.025174	126.741089	26177.0	1.590
	4 0.036794	46.326577	4867.5	1.420
	5 0.047433	25.574058	1674.9	1.328
	6 0.057020	17.274984	794.9	1.271
	7 0.065627	13.072167	456.4	1.232
	8 0.073360	10.611169	296.4	1.204
	9 0.080328	9.023038	209.6	1.182
	10 0.086629	7.924938	157.5	1.165
	12 0.097559	6.520676	101.0	1.140
	14 0.106697	5.669682	72.4	1.123
	16 0.114441	5.110282	55.9	1.110
	18 0.121084	4.699739	45.5	1.100
	20 0.126842	4.399098	38.3	1.092
	25 0.138354	3.902593	27.9	1.078
	30 0.146981	3.600725	22.3	1.068
	35 0.153684	3.398170	18.9	1.062
	40 0.159041	3.252967	16.6	1.057
	45 0.163420	3.143830	15.0	1.053
	50 0.167066	3.058827	13.9	1.050
	55 0.170149	2.990762	12.9	1.047
	60 0.172789	2.935036	12.2	1.045

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
20	1 0.0	620907.664787	*	4.000
	2 0.0153384	999.451691	555554.6	2.000
	3 0.0288867	126.421246	24389.2	1.590
	4 0.041759	46.105400	4561.0	1.420
	5 0.053530	25.401310	1573.1	1.328
	6 0.064128	17.128194	747.1	1.271
	7 0.073643	12.940963	428.9	1.232
	8 0.082197	10.490143	278.5	1.203
	9 0.089910	8.909080	196.7	1.181
	10 0.096890	7.816119	147.7	1.164
	12 0.109016	6.418733	94.5	1.139
	14 0.119171	5.572047	67.7	1.122
	16 0.127793	5.008091	52.2	1.109
	18 0.135201	4.607055	42.3	1.098
	20 0.141631	4.307927	35.6	1.090
	25 0.154519	3.813840	25.8	1.076
	30 0.164204	3.513353	20.6	1.067
	35 0.171747	3.311660	17.4	1.060
	40 0.177787	3.167032	15.3	1.055
	45 0.182732	3.058296	13.8	1.051
	50 0.186856	2.973585	12.7	1.048
	55 0.190347	2.905727	11.8	1.045
	60 0.193340	2.850177	11.1	1.043

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
25	1 0.0	624016.828156	*	4.000
	2 0.020201	999.461946	499599.0	2.000
	3 0.036515	125.841762	21880.8	1.590
	4 0.051939	45.704213	4124.4	1.420
	5 0.065973	25.087586	1426.8	1.328
	6 0.078606	16.861298	678.0	1.270
	7 0.089955	12.702106	389.1	1.231
	8 0.100132	10.269552	252.3	1.202
	9 0.109418	8.701130	178.0	1.180
	10 0.117796	7.617326	133.4	1.163
	12 0.132394	6.232108	85.0	1.138
	14 0.144674	5.392960	60.6	1.120
	16 0.155142	4.834011	46.6	1.107
	18 0.164170	4.436472	37.6	1.096
	20 0.172035	4.139878	31.6	1.088
	25 0.187880	3.649721	22.7	1.073
	30 0.199868	3.351360	18.0	1.064
	35 0.209257	3.150916	15.1	1.057
	40 0.216810	3.007061	13.2	1.052
	45 0.223019	2.898821	11.8	1.048
	50 0.228214	2.814437	10.8	1.045
	55 0.232624	2.746806	10.1	1.042
	60 0.236415	2.691392	9.5	1.040

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
30	0.0	626098.966436	*	4.000
1	0.0233979	999.468755	454544.5	2.000
2	0.0422377	125.452711	20617.6	1.590
3	0.059674	45.434506	3902.2	1.420
4	0.075393	24.876383	1351.6	1.327
5	0.089550	16.681346	642.3	1.270
6	0.102290	12.540844	368.4	1.231
7	0.113732	10.120411	238.6	1.202
8	0.124183	8.560342	168.1	1.180
9	0.133635	7.482556	125.9	1.163
10	0.150152	6.105263	80.0	1.137
12	0.164097	5.270947	56.9	1.119
14	0.176026	4.715148	43.6	1.106
16	0.186348	4.319757	35.1	1.095
18	0.195366	4.024680	29.4	1.087
20	0.213620	3.536751	21.0	1.072
25	0.227512	3.259467	16.5	1.062
30	0.238445	3.039562	13.8	1.055
35	0.247278	2.895967	12.0	1.050
40	0.254564	2.787336	10.8	1.046
45	0.260679	2.703472	9.3	1.042
50	0.265885	2.635812	8.1	1.040
55	0.270571	2.580339	8.5	1.038
60				

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
35	0.0	627590.727820	*	4.000
1	0.026972	999.475620	434781.6	2.000
2	0.046960	125.173461	19919.3	1.590
3	0.065690	45.240729	3772.6	1.420
4	0.082706	24.724483	1307.7	1.327
5	0.098044	16.551793	621.4	1.270
6	0.111863	12.424614	356.2	1.230
7	0.124346	10.012803	230.5	1.201
8	0.135664	8.458653	162.3	1.180
9	0.145964	7.335113	121.4	1.162
10	0.164006	6.013365	77.0	1.137
12	0.179237	5.182384	54.6	1.118
14	0.192396	4.628718	41.3	1.105
16	0.203770	4.234751	33.6	1.094
18	0.213733	3.940648	28.0	1.086
20	0.233979	3.454060	19.9	1.071
25	0.249465	3.157327	15.6	1.061
30	0.261704	2.957613	13.0	1.054
35	0.271629	2.814033	11.3	1.048
40	0.279843	2.705827	10.1	1.044
45	0.286755	2.621343	9.2	1.041
50	0.292654	2.555541	8.5	1.038
55	0.297749	2.497917	7.9	1.036
60				

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
40	1 0.0	628712.027091	* 434781.6	4.000
2	0.0029385	999.477257	19454.3	2.000
3	0.0050621	124.963276	3690.4	1.590
4	0.0070480	45.054769	1273.7	1.420
5	0.0088524	24.609976	607.9	1.327
6	0.0104800	16.454050	348.3	1.270
7	0.0119481	12.336851	225.3	1.230
8	0.0132760	9.931482	158.5	1.201
9	0.0144814	8.381741	118.5	1.179
10	0.0155800	7.311352	75.0	1.162
12	0.0175081	5.943691	53.2	1.136
14	0.0191454	5.115136	40.6	1.118
16	0.0205535	4.562996	32.6	1.104
18	0.0217779	4.170022	27.2	1.094
20	0.0228529	3.876580	21.2	1.085
25	0.0250446	3.290833	15.2	1.070
30	0.0267283	3.094364	11.5	1.060
35	0.0280642	2.854660	12.5	1.053
40	0.0291509	2.750973	10.3	1.047
45	0.0300527	2.642504	9.6	1.043
50	0.0308137	2.557934	8.8	1.040
55	0.0314645	2.489938	8.1	1.037
60	0.0320277	2.434122	7.5	1.035

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
45	1 0.0	629585.606220	* 416665.7	4.000
2	0.0031365	999.480063	19119.5	2.000
3	0.0053604	124.799352	3635.4	1.590
4	0.0074376	44.980869	1260.5	1.419
5	0.0093251	24.520563	598.7	1.327
6	0.0110290	16.377678	342.9	1.270
7	0.0125674	12.268231	221.7	1.230
8	0.0139604	9.867856	155.9	1.201
9	0.0152264	8.321524	116.4	1.179
10	0.0163815	7.253564	73.7	1.162
12	0.0184122	5.889034	52.1	1.136
14	0.0201403	5.062317	39.7	1.118
16	0.0216296	4.511313	31.9	1.104
18	0.0229272	4.119063	26.5	1.093
20	0.0240686	3.826086	18.7	1.085
25	0.0264024	3.340879	14.6	1.069
30	0.0282021	3.044512	12.1	1.059
35	0.0296347	2.844722	10.5	1.052
40	0.0308034	2.700867	9.3	1.046
45	0.0317759	2.592294	8.5	1.042
50	0.0325981	2.507409	7.8	1.039
55	0.0333029	2.439198	7.3	1.036
60	0.0339138	2.383173	7.3	1.034

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
50	0.0	630285.370070	*	4.000
1	0.033013	999.482337	416665.7	2.000
2	0.056077	124.667929	18902.6	1.590
3	0.077600	44.889508	3596.1	1.419
4	0.097164	24.448809	1247.0	1.327
5	0.114834	16.316357	592.2	1.269
6	0.130803	12.213103	339.1	1.230
7	0.145275	9.816713	219.2	1.201
8	0.158441	8.273095	154.0	1.179
9	0.170465	7.207062	115.0	1.162
10	0.191634	5.805004	72.7	1.136
12	0.209682	5.019722	51.4	1.117
14	0.225264	4.465553	39.1	1.104
16	0.238864	4.077887	31.4	1.093
18	0.250845	3.785249	26.1	1.084
20	0.275405	3.300394	18.4	1.069
25	0.294403	3.004034	14.3	1.059
30	0.309578	2.804107	11.9	1.051
35	0.321983	2.650054	10.2	1.046
40	0.332332	2.551261	9.1	1.042
45	0.341100	2.466151	8.2	1.038
50	0.348627	2.397721	7.6	1.035
55	0.355163	2.341485	7.0	1.033
60				

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
55	0.0	630858.524891	*	4.000
1	0.034405	999.484166	416665.7	2.000
2	0.058159	124.560214	18760.7	1.590
3	0.080312	44.814600	3586.6	1.419
4	0.100452	24.389951	1236.9	1.327
5	0.118655	16.266035	587.3	1.269
6	0.135117	12.167844	336.2	1.230
7	0.150048	9.774704	217.3	1.201
8	0.163641	8.233257	152.6	1.179
9	0.176067	7.163330	113.9	1.161
10	0.197970	5.808773	71.9	1.136
12	0.216675	4.984640	50.8	1.117
14	0.232848	4.435202	38.7	1.103
16	0.246985	4.043917	31.0	1.093
18	0.259457	3.751532	25.8	1.084
20	0.285079	3.266906	18.1	1.069
25	0.304961	2.970496	14.1	1.058
30	0.320874	2.770407	11.7	1.051
35	0.333919	2.626144	10.0	1.045
40	0.344820	2.517128	8.9	1.041
45	0.354073	2.431794	8.0	1.038
50	0.362031	2.363147	7.4	1.035
55	0.368952	2.306704	6.9	1.032
60				

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
60	0.0	631336.553997	*	4.000
1	0.035595	999.485705	399999.0	2.000
2	0.059934	124.470323	18621.0	1.590
3	0.082621	44.752065	3545.1	1.419
4	0.103253	24.340758	1229.5	1.327
5	0.121910	16.223995	582.7	1.269
6	0.138793	12.130019	334.0	1.230
7	0.154117	9.739583	215.8	1.201
8	0.168078	8.200011	151.6	1.179
9	0.180849	7.136842	113.1	1.161
10	0.203385	5.778433	71.4	1.135
12	0.222657	4.955242	50.4	1.117
14	0.239344	4.406361	38.3	1.103
16	0.253948	4.015409	30.7	1.093
18	0.266848	3.723216	25.5	1.084
20	0.293401	3.238737	17.9	1.068
25	0.314059	2.942245	13.9	1.058
30	0.330630	2.741981	11.5	1.051
35	0.344244	2.597509	9.9	1.045
40	0.355640	2.488272	8.7	1.041
45	0.365330	2.402720	7.9	1.037
50	0.373676	2.333863	7.3	1.034
55	0.380944	2.277221	6.7	1.032
60				

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.0	0.472136	*	2.000
2	0.0	0.535556	*	1.473
3	0.0	0.582207	*	1.254
4	0.0	0.620721	*	1.130
5	0.0	0.650734	*	1.063
6	0.0	0.672897	*	1.000
7	0.0	0.689101	*	0.959
8	0.0	0.700993	*	0.927
9	0.0	0.709276	*	0.900
10	0.0	0.715288	*	0.877
12	0.0	0.730325	*	0.820
14	0.0	0.740907	*	0.784
16	0.0	0.748692	*	0.751
18	0.0	0.753940	*	0.720
20	0.0	0.756528	*	0.693
25	0.0	0.772764	*	0.630
30	0.0	0.781788	*	0.599
35	0.0	0.786189	*	0.577
40	0.0	0.788010	*	0.555
45	0.0	0.789169	*	0.544
50	0.0	0.789657	*	0.533
55	0.0	0.789557	*	0.522
60	0.0	0.789152	*	0.512

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.000760	0.095448	2.6	0.940
3	0.006029	0.154443	2.4	0.860
4	0.012164	0.071415	2.2	0.792
5	0.017255	0.675689	2.0	0.744
6	0.021260	0.474487	1.8	0.693
7	0.024430	0.353521	1.6	0.640
8	0.026950	0.273031	1.4	0.580
9	0.029013	0.215706	1.2	0.514
10	0.030722	0.172846	1.0	0.444
12	0.032158	0.139607	0.8	0.378
14	0.033435	0.099440	0.6	0.300
16	0.034615	0.058239	0.4	0.216
18	0.035766	0.033976	0.3	0.158
20	0.036959	0.015475	0.2	0.106
25	0.041098	0.000904	0.1	0.056
30	0.042226	0.975173	0.0	0.032
35	0.043050	0.958381	0.8	0.049
40	0.043678	0.946553	0.6	0.047
45	0.044173	0.937774	0.4	0.046
50	0.044572	0.931000	0.3	0.045
55	0.044907	0.925614	0.2	0.044
60	0.045178	0.921229	0.1	0.043
		0.917591	0.0	0.043

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
3	1	13	12	1
1	0.0083362	0.287319	1.2	1.940
2	0.030936	0.401782	20.4	1.352
3	0.050043	0.198184	10.5	1.209
4	0.064277	0.757367	7.3	1.147
5	0.074940	0.532427	5.9	1.115
6	0.083132	0.396708	5.0	1.094
7	0.089587	0.306108	4.5	1.081
8	0.094793	0.241400	4.1	1.071
9	0.099072	0.192398	3.8	1.064
10	0.102648	0.155200	3.6	1.058
12	0.108283	0.100424	3.3	1.050
14	0.112515	0.062549	3.0	1.045
16	0.115809	0.034802	2.8	1.041
18	0.118444	0.013600	2.5	1.038
20	0.120599	0.996872	2.2	1.035
25	0.124588	0.967274	2.0	1.031
30	0.127327	0.947898	1.8	1.029
35	0.129324	0.934229	1.5	1.027
40	0.130844	0.924069	1.4	1.026
45	0.132040	0.916320	1.3	1.025
50	0.133300	0.909974	1.2	1.024
55	0.133801	0.904886	1.1	1.023
60	0.134467	0.900661	1.0	1.023

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
4	1	13	10	1
1	0.0187787	0.511995	5.6	1.949
2	0.055556	0.500000	5.0	1.357
3	0.084368	0.228335	4.8	1.210
4	0.105419	0.761511	4.6	1.147
5	0.122109	0.522564	4.4	1.112
6	0.133125	0.377953	4.2	1.091
7	0.142605	0.281148	4.1	1.076
8	0.150254	0.211835	4.0	1.066
9	0.156549	0.159765	3.8	1.059
10	0.161876	0.119216	3.6	1.053
12	0.170125	0.060151	3.3	1.044
14	0.176378	0.019195	3.0	1.039
16	0.181252	0.989121	2.8	1.035
18	0.185156	0.966098	2.5	1.031
20	0.188353	0.947904	2.2	1.029
25	0.194279	0.915643	2.0	1.025
30	0.198356	0.894473	1.8	1.022
35	0.201331	0.879512	1.5	1.021
40	0.203599	0.868375	1.4	1.021
45	0.205334	0.859764	1.3	1.019
50	0.206825	0.852905	1.2	1.017
55	0.208014	0.847313	1.1	1.017
60	0.209011	0.842667	1.0	1.016

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.0028254	14.288809	103.00	1.957
4	0.0075399	14.548915	103.00	1.364
3	0.0111301	13.234464	9.00	1.214
4	0.0137426	22.750920	6.00	1.145
5	0.0156906	22.502750	5.00	1.113
6	0.0171884	22.352158	4.00	1.091
7	0.0183372	22.251102	4.00	1.076
8	0.0193296	22.178586	3.00	1.065
9	0.0201194	22.124001	3.00	1.057
10	0.0207816	22.083141	3.00	1.051
11	0.0213829	22.051923	3.00	1.042
12	0.0219196	22.027603	3.00	1.036
13	0.0223733	22.009443	2.00	1.032
14	0.0227439	22.000541	2.00	1.029
15	0.0230354	22.000541	2.00	1.026
16	0.0232541	22.000541	2.00	1.022
17	0.0234165	22.000541	2.00	1.019
18	0.0235179	22.000541	2.00	1.018
19	0.0235608	22.000541	2.00	1.016
20	0.0235502	22.000541	2.00	1.015
25	0.0235502	22.000541	2.00	1.014
30	0.0235502	22.000541	2.00	1.014
35	0.0235502	22.000541	2.00	1.014
40	0.0235502	22.000541	2.00	1.014
45	0.0235502	22.000541	2.00	1.014
50	0.0235502	22.000541	2.00	1.014
55	0.0235502	22.000541	2.00	1.014
60	0.0235502	22.000541	2.00	1.014

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.0036127	14.540191	104.00	1.964
7	0.0091026	14.577269	104.00	1.369
8	0.0132286	13.233433	9.00	1.218
9	0.0162331	22.738166	6.00	1.153
10	0.0184767	22.483391	5.00	1.135
11	0.0202084	22.329436	4.00	1.092
12	0.0215811	22.242228	4.00	1.077
13	0.0226945	22.149304	3.00	1.066
14	0.0236151	22.092807	3.00	1.057
15	0.0243887	22.048663	3.00	1.051
16	0.0251577	22.013403	2.00	1.042
17	0.0258449	22.000541	2.00	1.035
18	0.0264727	22.000541	2.00	1.031
19	0.0270531	22.000541	2.00	1.028
20	0.0275833	22.000541	2.00	1.025
25	0.0282350	22.000541	2.00	1.021
30	0.0288546	22.000541	2.00	1.018
35	0.0303086	22.000541	2.00	1.016
40	0.0306553	22.000541	2.00	1.015
45	0.0309233	22.000541	2.00	1.013
50	0.0311508	22.000541	2.00	1.013
55	0.0313333	22.000541	2.00	1.012
60	0.0314874	22.000541	2.00	1.011

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.042603	14.719753	106.1	1.969
8	0.103454	4.555470	19.6	1.374
9	0.148897	3.230174	10.0	1.222
10	0.182021	2.726191	6.9	1.154
11	0.206861	2.466416	5.4	1.117
12	0.226079	2.308104	4.5	1.094
13	0.241357	2.201439	4.0	1.078
14	0.253782	2.124615	3.6	1.066
15	0.264080	2.066596	3.3	1.058
16	0.272751	2.021196	3.1	1.051
17	0.286540	1.954666	2.8	1.042
18	0.297015	1.908203	2.6	1.035
19	0.305240	1.873884	2.4	1.031
20	0.311870	1.847482	2.3	1.027
21	0.317328	1.822653	2.2	1.024
22	0.322751	1.789171	2.1	1.020
23	0.327579	1.764494	2.0	1.017
24	0.331976	1.746968	1.9	1.015
25	0.335736	1.733375	1.8	1.014
26	0.339487	1.722719	1.8	1.012
27	0.343413	1.715611	1.7	1.011
28	0.345151	1.708988	1.7	1.011
29	0.346327	1.703475	1.7	1.010

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
8	0.047953	14.854438	108.2	1.973
9	0.113505	4.608027	20.0	1.378
10	0.162302	3.226349	10.0	1.225
11	0.197939	2.715611	7.0	1.157
12	0.224740	2.451902	5.5	1.119
13	0.245535	2.290913	4.6	1.095
14	0.262211	2.132265	4.0	1.076
15	0.275624	2.033894	3.6	1.067
16	0.286847	2.004462	3.3	1.058
17	0.296316	1.996184	3.1	1.053
18	0.311412	1.930018	2.8	1.043
19	0.322911	1.882320	2.5	1.035
20	0.331966	1.847031	2.4	1.030
21	0.339272	1.819344	2.3	1.027
22	0.345300	1.798243	2.2	1.024
23	0.356577	1.759662	2.0	1.019
24	0.364418	1.734128	1.9	1.016
25	0.370137	1.715968	1.8	1.014
26	0.374609	1.702384	1.8	1.013
27	0.378106	1.691839	1.7	1.012
28	0.380943	1.685413	1.7	1.012
29	0.383288	1.676526	1.7	1.010
30	0.385261	1.670791	1.6	1.010

CONFIDENCE LEVEL=.6
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.0522371	14.9592221	10.2	1.576
1	0.1217772	4.617161	20.4	1.381
2	0.173316	3.222559	10.4	1.228
3	0.211036	2.706422	7.1	1.159
4	0.239477	2.439527	5.5	1.121
5	0.261602	2.276345	4.6	1.097
6	0.279281	2.166057	4.0	1.080
7	0.293724	2.086394	3.6	1.068
8	0.305743	2.026070	3.3	1.059
10	0.315901	1.978753	3.1	1.052
12	0.322133	1.909193	2.8	1.042
14	0.324531	1.860432	2.5	1.035
16	0.325431	1.824301	2.4	1.030
18	0.326222	1.796429	2.3	1.027
20	0.326876	1.774259	2.2	1.024
25	0.328101	1.734600	2.0	1.019
30	0.328955	1.708303	1.9	1.016
35	0.329585	1.683957	1.8	1.014
40	0.330068	1.675550	1.8	1.012
45	0.330451	1.664653	1.7	1.011
50	0.330761	1.655940	1.7	1.010
55	0.331019	1.648814	1.6	1.010
60	0.331233	1.642876	1.6	1.009

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.0561111	15.0433077	12.2	1.579
1	0.128675	4.624031	20.7	1.384
2	0.182514	3.219015	10.5	1.230
3	0.221986	2.698458	7.3	1.161
4	0.251820	2.428926	5.6	1.123
5	0.275032	2.263911	4.7	1.098
6	0.293710	2.152239	4.1	1.081
7	0.295795	2.071479	3.7	1.069
8	0.308958	2.010256	3.4	1.060
10	0.322431	1.962183	3.1	1.053
12	0.329662	1.891415	2.8	1.043
14	0.336285	1.841726	2.6	1.036
16	0.337323	1.804855	2.4	1.031
18	0.338173	1.776377	2.3	1.027
20	0.338872	1.753702	2.2	1.024
25	0.340185	1.713079	2.0	1.019
30	0.341104	1.686097	1.9	1.016
35	0.341782	1.666854	1.8	1.014
40	0.342303	1.652429	1.8	1.012
45	0.342716	1.641211	1.7	1.011
50	0.343051	1.632235	1.7	1.010
55	0.343330	1.624889	1.6	1.009
60	0.343564	1.618766	1.6	1.009

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
12	1	1	1	1
	2	5	2	2
	3	4	3	3
	4	3	4	4
	5	2	5	5
	6	2	6	6
	7	2	7	7
	8	2	8	8
	9	2	9	9
	10	1	10	10
	11	1	11	11
	12	1	12	12
	13	1	13	13
	14	1	14	14
	15	1	15	15
	16	1	16	16
	17	1	17	17
	18	1	18	18
	19	1	19	19
	20	1	20	20
	25	1	25	25
	30	1	30	30
	35	1	35	35
	40	1	40	40
	45	1	45	45
	50	1	50	50
	55	1	55	55
	60	1	60	60

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
14	1	1	1	1
	2	5	2	2
	3	4	3	3
	4	3	4	4
	5	2	5	5
	6	2	6	6
	7	2	7	7
	8	2	8	8
	9	2	9	9
	10	1	10	10
	11	1	11	11
	12	1	12	12
	13	1	13	13
	14	1	14	14
	15	1	15	15
	16	1	16	16
	17	1	17	17
	18	1	18	18
	19	1	19	19
	20	1	20	20
	25	1	25	25
	30	1	30	30
	35	1	35	35
	40	1	40	40
	45	1	45	45
	50	1	50	50
	55	1	55	55
	60	1	60	60

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.070007	0.326475	1.20.8	0.989
1	0.153966	0.645013	22.2	0.395
2	0.216235	0.203723	11.2	0.240
3	0.262283	0.667490	7.6	0.169
4	0.297438	0.388371	5.9	0.130
5	0.325120	0.216540	4.9	0.104
6	0.347491	0.099623	4.3	0.087
7	0.365959	0.014628	3.8	0.074
8	0.381477	0.949878	3.5	0.064
9	0.394706	0.898801	3.2	0.057
10	0.416090	0.823151	3.0	0.046
11	0.432647	0.769630	2.9	0.038
12	0.445862	0.729653	2.8	0.032
13	0.456665	0.693597	2.7	0.028
14	0.465662	0.673743	2.6	0.025
15	0.482743	0.628892	2.5	0.019
20	0.494825	0.598838	2.0	0.013
25	0.503832	0.577255	1.9	0.011
30	0.510809	0.560987	1.8	0.010
35	0.516337	0.548277	1.7	0.009
40	0.520920	0.538069	1.6	0.008
45	0.524702	0.529688	1.6	0.008
50	0.527898	0.522682	1.6	0.008

CONFIDENCE LEVEL = .3
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
18	0.072801	0.379054	1.22.8	0.991
1	0.153999	0.648500	22.6	0.397
2	0.222958	0.200334	11.4	0.241
3	0.270351	0.661032	7.7	0.177
4	0.306613	0.380023	6.0	0.133
5	0.335231	0.206802	5.0	0.108
6	0.358406	0.088794	4.3	0.086
7	0.377577	0.002904	3.9	0.075
8	0.393713	0.937396	3.5	0.065
9	0.407494	0.885665	3.2	0.058
10	0.425820	0.808931	3.0	0.046
11	0.447154	0.734541	2.9	0.039
12	0.461023	0.682198	2.8	0.033
13	0.472383	0.656816	2.7	0.029
14	0.481866	0.610944	2.6	0.025
15	0.499994	0.580130	2.5	0.016
20	0.512723	0.557958	2.0	0.011
25	0.522297	0.541220	1.9	0.010
30	0.533665	0.528126	1.8	0.009
35	0.544052	0.517597	1.7	0.008
40	0.544572	0.508945	1.6	0.008
45	0.544799	0.501705	1.6	0.008
50			1.6	0.008

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
20				
1	0.075086	15.421147	124.4	1.992
2	0.163107	14.651207	22.9	1.398
3	0.228449	13.197499	11.5	1.243
4	0.276950	12.655742	7.8	1.173
5	0.314130	12.375149	6.1	1.133
6	0.343527	12.198783	5.0	1.107
7	0.367377	12.079871	4.4	1.089
8	0.387138	11.993233	3.9	1.076
9	0.403797	11.927089	3.6	1.066
10	0.418046	11.874807	3.3	1.058
11	0.441176	11.797154	2.9	1.047
12	0.459177	11.742023	2.7	1.039
14	0.473611	11.700713	2.5	1.033
16	0.485457	11.668531	2.3	1.029
20	0.495362	11.642710	2.2	1.026
25	0.514260	11.595942	2.0	1.020
30	0.527713	11.564457	1.9	1.016
35	0.537792	11.541762	1.8	1.013
40	0.545633	11.524604	1.7	1.012
45	0.551909	11.511164	1.7	1.010
50	0.557049	11.500346	1.6	1.009
55	0.561336	11.491448	1.6	1.008
60	0.564968	11.483997	1.5	1.008

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
25				
1	0.079313	15.496990	127.7	1.995
2	0.170685	14.655899	23.4	1.402
3	0.238593	13.192121	11.8	1.246
4	0.289163	12.645322	8.0	1.176
5	0.328072	12.360330	6.2	1.135
6	0.358947	12.183324	5.2	1.109
7	0.384083	12.063304	4.5	1.091
8	0.404979	11.973146	4.0	1.078
9	0.422650	11.907784	3.6	1.068
10	0.437809	11.854438	3.4	1.060
12	0.462512	11.775000	3.0	1.049
14	0.481833	11.718410	2.7	1.041
16	0.497396	11.673879	2.5	1.035
18	0.510217	11.642653	2.4	1.030
20	0.520976	11.615926	2.2	1.027
25	0.541610	11.567337	2.0	1.020
30	0.556393	11.534469	1.9	1.017
35	0.567532	11.510685	1.8	1.014
40	0.576233	11.492644	1.7	1.012
45	0.583224	11.478473	1.7	1.010
50	0.588967	11.467039	1.6	1.009
55	0.593771	11.457615	1.6	1.008
60	0.597849	11.449709	1.5	1.008

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
30	0.082213	5.547613	1.30.1	1.997
1	0.175871	4.658903	1.23.8	1.404
2	0.245544	3.188340	1.2.00	1.246
3	0.297552	2.638948	1.8.2	1.178
4	0.337672	2.351462	1.6.2	1.134
5	0.369591	2.173465	1.5.2	1.111
6	0.395642	2.051646	1.4.5	1.093
7	0.417351	1.962581	1.4.1	1.080
8	0.435752	1.894350	1.3.7	1.070
9	0.451572	1.840238	1.3.4	1.062
10	0.477429	1.759500	1.3.00	1.050
11	0.497731	1.701837	1.2.7	1.042
12	0.514136	1.658397	1.2.5	1.036
13	0.527694	1.624385	1.2.4	1.031
14	0.539104	1.596972	1.2.3	1.027
15	0.556107	1.546984	1.2.1	1.021
16	0.576907	1.513037	1.1.9	1.017
17	0.588883	1.488391	1.1.8	1.014
18	0.598274	1.469643	1.1.7	1.012
19	0.605843	1.454883	1.1.6	1.011
20	0.612078	1.442948	1.1.6	1.009
25	0.617306	1.433093	1.1.6	1.008
30	0.621753	1.424813	1.1.5	1.008

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
35	0.084325	5.583805	1.31.8	1.998
1	0.179641	4.660990	1.24.1	1.406
2	0.250604	3.185545	1.2.2	1.250
3	0.303669	2.633911	1.8.3	1.179
4	0.344683	2.344967	1.6.4	1.133
5	0.377379	2.165872	1.5.3	1.113
6	0.404115	2.043164	1.4.6	1.094
7	0.426436	1.953347	1.4.1	1.081
8	0.445389	1.884462	1.3.7	1.071
9	0.461711	1.829773	1.3.5	1.063
10	0.488452	1.748046	1.3.1	1.053
11	0.509508	1.689559	1.2.8	1.043
12	0.526570	1.645413	1.2.6	1.036
13	0.540706	1.610790	1.2.4	1.032
14	0.552629	1.582836	1.2.3	1.028
15	0.573670	1.531737	1.2.1	1.023
16	0.592342	1.496921	1.1.9	1.017
17	0.605002	1.471574	1.1.8	1.015
18	0.614961	1.452246	1.1.7	1.012
19	0.623009	1.436957	1.1.7	1.011
20	0.629655	1.424645	1.1.6	1.010
25	0.635239	1.414429	1.1.6	1.009
30	0.639999	1.405833	1.1.6	1.008

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
40				
1	0.085930	15.610968	133.2	1.999
2	0.182506	14.662524	24.4	1.407
3	0.254452	13.183398	12.3	1.251
4	0.308336	12.630063	8.5	1.180
5	0.350029	12.340006	6.5	1.140
6	0.383325	12.160069	5.4	1.144
7	0.410593	12.036676	4.6	1.095
8	0.433391	11.946275	4.2	1.082
9	0.452777	11.876882	3.8	1.072
10	0.469493	11.821740	3.5	1.064
12	0.496932	11.759236	3.1	1.052
14	0.518589	11.680095	2.8	1.043
16	0.536177	11.635386	2.6	1.037
18	0.550778	11.600271	2.4	1.032
20	0.563116	11.571881	2.3	1.029
25	0.587029	11.519876	2.0	1.022
30	0.604396	11.484345	1.8	1.018
35	0.617625	11.458414	1.6	1.015
40	0.628061	11.433601	1.4	1.013
45	0.636515	11.422940	1.3	1.011
50	0.643510	11.410233	1.2	1.010
55	0.649393	11.399708	1.1	1.009
60	0.654426	11.390841	1.1	1.008

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
45				
1	0.087192	15.622106	134.3	2.000
2	0.184756	14.665693	24.6	1.408
3	0.257477	13.181697	12.4	1.253
4	0.311989	12.627029	8.4	1.181
5	0.354240	12.336095	6.5	1.141
6	0.388014	12.155491	5.4	1.145
7	0.415707	12.031552	4.7	1.096
8	0.438887	11.940686	4.2	1.083
9	0.458620	11.870886	3.8	1.073
10	0.475635	11.815380	3.5	1.064
12	0.503659	11.732247	3.1	1.052
14	0.525807	11.672575	2.8	1.044
16	0.543324	11.627407	2.6	1.038
18	0.558808	11.591387	2.4	1.033
20	0.571490	11.563138	2.3	1.029
25	0.596129	11.510380	2.0	1.022
30	0.614079	11.474248	1.8	1.018
35	0.627791	11.447824	1.6	1.015
40	0.638633	11.427597	1.4	1.013
45	0.647433	11.411583	1.3	1.011
50	0.654731	11.398571	1.2	1.010
55	0.660883	11.387779	1.1	1.009
60	0.666143	11.378677	1.1	1.008

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
50	0.088210	15.649025	135.2	2.001
1	0.186570	4.664627	24.7	1.408
2	0.259916	3.180318	12.5	1.253
3	0.314947	2.624575	8.5	1.132
4	0.357642	2.332932	6.5	1.141
5	0.391805	2.151787	5.4	1.115
6	0.419846	2.027404	4.7	1.097
7	0.443340	1.936159	4.2	1.084
8	0.463359	1.866024	3.8	1.072
9	0.480656	1.810220	3.6	1.065
10	0.509127	1.726568	3.1	1.053
11	0.533168	1.666453	2.8	1.044
12	0.550059	1.585046	2.6	1.038
13	0.565363	1.535995	2.5	1.033
14	0.578334	1.503601	2.3	1.030
15	0.603587	1.439911	2.1	1.023
16	0.622035	1.402206	2.0	1.016
17	0.636161	1.389238	1.8	1.013
18	0.647334	1.418527	1.7	1.011
19	0.656457	1.402206	1.6	1.010
20	0.664016	1.377903	1.6	1.009
25	0.670399	1.368593	1.6	1.008
30	0.675864		1.6	1.008

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
55	0.089048	15.662873	135.9	2.001
1	0.188063	4.665379	24.8	1.409
2	0.261925	3.179177	12.5	1.254
3	0.317385	2.622550	8.5	1.183
4	0.360448	2.330321	6.6	1.142
5	0.394933	2.148729	5.5	1.116
6	0.423265	2.023978	4.7	1.098
7	0.447021	1.932416	4.2	1.084
8	0.467278	1.862003	3.8	1.074
9	0.484795	1.805949	3.6	1.066
10	0.513660	1.721862	3.1	1.053
11	0.536558	1.661378	2.8	1.045
12	0.555239	1.615503	2.6	1.039
13	0.570817	1.579358	2.5	1.034
14	0.584034	1.530049	2.4	1.030
15	0.609812	1.496110	2.1	1.023
16	0.628691	1.459027	2.0	1.019
17	0.643176	1.431813	1.9	1.016
18	0.654675	1.410917	1.8	1.013
19	0.664043	1.394337	1.7	1.012
20	0.671834	1.380816	1.7	1.010
25	0.678420	1.369582	1.6	1.009
30	0.684067	1.360091	1.6	1.008

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
60	0.089751	15.674417	136.6	2.002
1	0.189314	4.666001	124.9	1.410
2	0.263609	3.178217	12.6	1.254
3	0.319429	2.620850	8.5	1.183
4	0.362802	2.328131	6.6	1.143
5	0.397563	2.146162	5.5	1.116
6	0.426137	2.021100	4.8	1.098
7	0.450114	1.929270	4.3	1.085
8	0.470575	1.858621	3.9	1.074
9	0.488279	1.802355	3.6	1.066
10	0.517479	1.717898	3.3	1.054
11	0.540671	1.657097	3.2	1.045
12	0.559613	1.610945	2.9	1.039
13	0.575425	1.574553	2.7	1.034
14	0.588855	1.545022	2.5	1.030
15	0.615090	1.490611	2.4	1.023
16	0.634343	1.453143	2.1	1.019
17	0.649144	1.425607	2.0	1.016
18	0.660912	1.404437	1.9	1.014
19	0.670515	1.387610	1.7	1.012
20	0.678510	1.373891	1.7	1.010
25	0.685279	1.362475	1.6	1.009
30	0.691088	1.352818	1.6	1.008

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2 / A-1	REDUCTION
1	0.0	39.863458	*	2.000
2	0.0	8.526316	*	1.449
3	0.0	5.538319	*	1.323
4	0.0	4.544771	*	1.271
5	0.0	4.060420	*	1.243
6	0.0	3.775950	*	1.226
7	0.0	3.589428	*	1.214
8	0.0	3.457919	*	1.205
9	0.0	3.360303	*	1.199
10	0.0	3.285015	*	1.194
12	0.0	3.176549	*	1.187
14	0.0	3.102213	*	1.181
16	0.0	3.048110	*	1.178
18	0.0	3.006977	*	1.175
20	0.0	2.974653	*	1.173
25	0.0	2.917745	*	1.169
30	0.0	2.883069	*	1.166
35	0.0	2.854655	*	1.164
40	0.0	2.835354	*	1.163
45	0.0	2.820416	*	1.162
50	0.0	2.808658	*	1.161
55	0.0	2.799043	*	1.160
60	0.0	2.791068	*	1.160

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2 / A-1	REDUCTION
2	0.000049	49.549454	2022.6	1.576
1	0.000830	9.088744	112.7	1.383
2	0.002406	5.576115	40.6	1.238
3	0.003931	4.454266	24.1	1.176
4	0.005403	3.920234	17.6	1.142
5	0.006605	3.611532	14.2	1.122
6	0.007620	3.411416	12.2	1.108
7	0.008478	3.271525	10.9	1.098
8	0.009209	3.168378	9.9	1.090
9	0.009836	3.089248	9.2	1.084
10	0.010833	2.975928	8.3	1.076
12	0.011642	2.898753	7.6	1.070
14	0.012258	2.842343	7.2	1.066
16	0.012776	2.800487	6.9	1.063
18	0.013197	2.767297	6.6	1.060
20	0.013937	2.709068	6.2	1.056
25	0.014538	2.671301	5.9	1.053
30	0.014944	2.644828	5.7	1.051
35	0.015255	2.625243	5.6	1.050
40	0.015501	2.610168	5.5	1.049
45	0.015701	2.598207	5.4	1.048
50	0.015866	2.588485	5.4	1.047
55	0.016005	2.580427	5.3	1.046
60				

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
3	0.002065	53.815880	485.9	1.971
1	0.011094	39.375805	46.7	1.371
2	0.020630	5.613856	19.6	1.221
3	0.028510	4.420880	12.4	1.156
4	0.034765	3.854302	9.3	1.122
5	0.039747	3.526983	7.6	1.100
6	0.043770	3.314777	6.6	1.086
7	0.047072	3.166376	5.9	1.075
8	0.049823	3.056896	5.4	1.068
9	0.052146	2.972861	5.0	1.062
10	0.055846	2.852420	4.5	1.053
11	0.059658	2.770311	4.2	1.048
12	0.060864	2.710772	4.0	1.043
13	0.062639	2.665631	3.7	1.040
14	0.064098	2.630235	3.6	1.038
15	0.066814	2.568077	3.3	1.034
16	0.068690	2.527718	3.2	1.031
17	0.070064	2.499404	3.1	1.029
18	0.071112	2.478443	3.0	1.028
19	0.071939	2.462302	3.0	1.027
20	0.072608	2.449438	2.9	1.026
21	0.073159	2.439070	2.9	1.025
22	0.073622	2.430433	2.8	1.024

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
4	0.007034	56.153169	351.8	1.974
1	0.026316	39.500000	39.0	1.372
2	0.043800	5.594752	16.8	1.220
3	0.057526	4.359658	10.7	1.154
4	0.068183	3.773321	8.0	1.117
5	0.076580	3.434458	6.5	1.095
6	0.083321	3.214618	5.6	1.080
7	0.088835	3.060759	5.0	1.069
8	0.093418	2.947165	4.6	1.061
9	0.097284	2.859906	4.3	1.055
10	0.103437	2.734718	4.0	1.047
11	0.108109	2.649267	3.8	1.041
12	0.111774	2.587240	3.6	1.036
13	0.114724	2.540171	3.5	1.033
14	0.117149	2.503234	3.3	1.031
15	0.122166	2.438302	3.0	1.026
16	0.124785	2.396089	2.8	1.024
17	0.127070	2.366447	2.6	1.022
18	0.129816	2.344489	2.5	1.020
19	0.130193	2.327568	2.4	1.019
20	0.131306	2.314131	2.4	1.018
21	0.132225	2.303201	2.3	1.018
22	0.132997	2.294136	2.3	1.017

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.012874	57.601703	319.3	1.577
1	0.040827	9.560859	37.3	1.276
2	0.064679	5.565977	16.2	1.222
3	0.083093	4.504244	10.3	1.154
4	0.097320	3.705178	7.7	1.117
5	0.108517	3.358730	6.2	1.094
6	0.117512	3.133781	5.4	1.079
7	0.124877	2.976207	4.8	1.068
8	0.131009	2.859771	4.3	1.059
9	0.136187	2.770256	4.0	1.053
10	0.144445	2.641693	3.5	1.044
11	0.150731	2.553824	3.2	1.038
12	0.155671	2.483969	3.0	1.032
13	0.159655	2.441468	2.8	1.030
14	0.162935	2.403375	2.7	1.027
15	0.166293	2.363337	2.5	1.023
16	0.173293	2.292697	2.4	1.020
17	0.176403	2.262023	2.3	1.018
18	0.178782	2.239282	2.2	1.017
19	0.180660	2.222748	2.2	1.016
20	0.182180	2.207816	2.1	1.015
21	0.183436	2.195648	2.1	1.014
22	0.184491	2.187075	2.1	1.014

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.013843	58.582101	310.8	1.980
1	0.053300	9.594783	37.3	1.380
2	0.082189	5.538906	16.2	1.255
3	0.104359	4.258822	10.3	1.156
4	0.121484	3.650821	7.6	1.115
5	0.134984	3.298941	6.2	1.095
6	0.145854	3.070266	5.3	1.079
7	0.154774	2.909940	4.7	1.068
8	0.162215	2.791367	4.2	1.059
9	0.168513	2.700134	3.9	1.052
10	0.173853	2.633965	3.6	1.043
11	0.178627	2.579155	3.4	1.037
12	0.182833	2.533887	3.2	1.032
13	0.186472	2.492232	2.9	1.029
14	0.189527	2.452502	2.8	1.026
15	0.192015	2.416435	2.6	1.021
16	0.194066	2.383810	2.4	1.018
17	0.195724	2.356669	2.3	1.016
18	0.197090	2.333861	2.2	1.014
19	0.198251	2.312426	2.1	1.013
20	0.199299	2.292577	2.0	1.012
21	0.200236	2.274879	1.9	1.012

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.023363	59.288550	310.4	1.983
1	0.063762	59.615634	37.5	1.383
2	0.096696	55.513585	16.3	1.228
3	0.121920	4.222048	10.3	1.159
4	0.141434	3.607378	7.6	1.122
5	0.156854	3.251371	6.2	1.096
6	0.169302	3.019816	5.3	1.080
7	0.179542	2.857332	4.6	1.068
8	0.188105	2.737063	4.2	1.059
9	0.195367	2.644453	3.9	1.052
10	0.207011	2.511164	3.4	1.043
11	0.215929	2.419826	3.1	1.036
12	0.222976	2.353304	2.9	1.031
13	0.228683	2.302680	2.7	1.028
14	0.233399	2.262853	2.6	1.025
15	0.237224	2.219260	2.5	1.020
16	0.240405	2.144675	2.4	1.017
17	0.242946	2.114445	2.3	1.015
18	0.245643	2.090474	2.2	1.014
19	0.248138	2.071959	2.1	1.013
20	0.250142	2.057232	2.0	1.012
25	0.253276	2.045238	1.9	1.011
30	0.256483	2.035281	1.9	1.011
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CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
8	0.027644	59.821505	313.2	1.985
1	0.072529	59.629424	38.1	1.386
2	0.108769	55.495895	16.6	1.230
3	0.136521	4.192041	10.4	1.161
4	0.158032	3.572174	7.7	1.123
5	0.175076	3.212899	6.2	1.097
6	0.188868	3.079032	5.3	1.081
7	0.200243	2.814792	4.7	1.069
8	0.209775	2.693128	4.2	1.060
9	0.217876	2.599575	3.9	1.053
10	0.230899	2.464306	3.4	1.043
11	0.240904	2.371636	3.1	1.036
12	0.248830	2.304072	2.8	1.031
13	0.255254	2.252607	2.7	1.027
14	0.260589	2.212087	2.5	1.025
15	0.270600	2.140536	2.3	1.020
16	0.277598	2.093770	2.2	1.017
17	0.282765	2.060797	2.1	1.015
18	0.286737	2.036293	2.0	1.013
19	0.289884	2.017363	1.9	1.012
20	0.292441	2.002298	1.9	1.011
25	0.294558	1.990023	1.8	1.010
30	0.296340	1.979828	1.8	1.010
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CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.031342	60.237814	317.3	1.987
1	0.079923	9.639070	38.7	1.388
2	0.118913	5.479274	46.8	1.232
3	0.148788	4.167240	50.5	1.162
4	0.171995	3.543196	57.8	1.023
5	0.190426	3.181255	6.3	1.099
6	0.205379	2.945478	5.3	1.082
7	0.217737	2.779773	4.7	1.070
8	0.222811	2.656934	4.2	1.060
10	0.236953	2.562209	3.9	1.053
12	0.251194	2.425614	3.4	1.043
14	0.262168	2.331788	3.1	1.036
16	0.270882	2.263312	2.8	1.031
18	0.277969	2.211106	2.7	1.027
20	0.283846	2.169972	2.5	1.024
25	0.294922	2.097257	2.3	1.019
30	0.302685	2.049668	2.1	1.016
35	0.308430	2.016081	2.0	1.014
40	0.312852	1.991101	2.0	1.013
45	0.316362	1.971791	1.9	1.012
50	0.319216	1.956415	1.8	1.011
55	0.321532	1.943381	1.8	1.010
60	0.323575	1.933467	1.8	1.009

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.034541	60.571979	321.8	1.988
1	0.086217	9.646122	39.3	1.391
2	0.127526	5.465156	47.1	1.234
3	0.159209	4.146469	50.7	1.164
4	0.183872	3.518983	57.9	1.025
5	0.203504	3.154820	6.3	1.099
6	0.219466	2.917433	5.4	1.083
7	0.232687	2.750481	4.7	1.070
8	0.243811	2.626634	4.2	1.063
10	0.253329	2.531070	3.9	1.054
12	0.268625	2.393145	3.4	1.043
14	0.280466	2.298302	3.1	1.036
16	0.289890	2.229017	2.8	1.031
18	0.297570	2.176151	2.6	1.027
20	0.303949	2.134465	2.5	1.024
25	0.315999	2.060698	2.3	1.019
30	0.324468	2.012360	2.1	1.016
35	0.330747	1.978211	2.0	1.014
40	0.335590	1.952792	1.9	1.012
45	0.339438	1.933131	1.8	1.011
50	0.342569	1.917467	1.8	1.010
55	0.345168	1.904692	1.8	1.010
60	0.347358	1.894074	1.8	1.009

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
12	0.039756	0.075103	330.7	1.990
1	0.096312	0.655620	40.4	1.394
2	0.141317	0.442621	17.5	1.238
3	0.175912	0.313745	10.9	1.167
4	0.202944	0.490907	8.0	1.127
5	0.224549	0.313238	6.5	1.102
6	0.242193	0.2873276	5.5	1.085
7	0.256842	0.2704306	4.8	1.072
8	0.269219	0.2578812	4.3	1.063
9	0.279808	0.2481364	3.9	1.055
10	0.296980	0.2341722	3.4	1.044
11	0.310312	0.245163	3.1	1.037
12	0.320967	0.2174502	2.8	1.032
13	0.329680	0.2120500	2.6	1.028
14	0.336940	0.2077860	2.5	1.025
15	0.350711	0.2002258	2.3	1.019
16	0.360439	0.1952597	2.1	1.016
17	0.367679	0.1917447	2.0	1.014
18	0.373280	0.1891244	1.9	1.012
19	0.377741	0.1870951	1.8	1.011
20	0.381380	0.1854766	1.8	1.010
25	0.384404	0.1841556	1.8	1.009
30	0.386957	0.1830567	1.7	1.008

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
14	0.043798	0.1435383	338.8	1.992
1	0.104021	0.661639	41.4	1.396
2	0.151836	0.425534	17.9	1.240
3	0.188674	0.289210	11.2	1.169
4	0.217551	0.452392	8.2	1.129
5	0.240708	0.282070	6.6	1.104
6	0.259671	0.2840132	5.6	1.086
7	0.275432	0.2669592	4.9	1.074
8	0.288869	0.2542802	4.4	1.064
9	0.300352	0.2444756	4.0	1.056
10	0.319039	0.2302932	3.5	1.045
11	0.333608	0.2204874	3.1	1.038
12	0.345292	0.2133077	2.9	1.032
13	0.354877	0.2079131	2.7	1.028
14	0.362884	0.2034690	2.5	1.025
15	0.373131	0.1957530	2.3	1.019
16	0.388951	0.1906733	2.1	1.016
17	0.397033	0.1870714	2.0	1.013
18	0.403302	0.1843825	1.9	1.012
19	0.408307	0.1822975	1.8	1.010
20	0.412396	0.1806331	1.8	1.010
25	0.415801	0.1792733	1.7	1.009
30	0.418679	0.1781414	1.7	1.008

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.047006	0.707260	345.8	1.993
1	0.110084	0.665752	42.3	1.398
2	0.160107	0.412185	18.3	1.242
3	0.198724	0.070170	11.4	1.171
4	0.229078	0.430269	8.3	1.131
5	0.253488	0.057865	6.7	1.105
6	0.273531	2.814357	5.6	1.088
7	0.290286	0.642558	4.9	1.075
8	0.304506	0.514719	4.4	1.065
9	0.316730	2.415777	4.0	1.057
10	0.336683	2.272384	3.5	1.046
12	0.352293	2.173260	3.1	1.038
14	0.364832	2.100506	2.9	1.033
16	0.375183	2.044759	2.7	1.028
18	0.383834	2.000634	2.5	1.025
20	0.400363	0.922130	2.3	1.020
25	0.412141	0.870341	2.1	1.016
30	0.420966	0.833559	2.0	1.013
35	0.427829	0.806062	1.9	1.012
40	0.433321	0.784716	1.8	1.010
45	0.437816	0.767660	1.8	1.009
50	0.441553	0.753714	1.7	1.009
55	0.444736	0.742057	1.7	1.008
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CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
18	0.049608	0.918811	351.9	1.993
1	0.114970	0.668722	43.0	1.400
2	0.166774	0.401488	18.6	1.244
3	0.206836	0.054980	11.6	1.173
4	0.238399	0.412518	8.5	1.133
5	0.263392	0.038534	6.8	1.107
6	0.284781	0.793747	5.7	1.089
7	0.302322	2.620915	5.0	1.076
8	0.317240	2.492208	4.5	1.066
9	0.330089	2.392518	4.1	1.058
10	0.351115	2.247891	3.7	1.047
12	0.367516	2.147779	3.2	1.039
14	0.380928	2.074208	2.9	1.033
16	0.391904	0.017770	2.7	1.029
18	0.401115	0.973053	2.5	1.026
20	0.418768	0.893375	2.3	1.020
25	0.431394	0.840711	2.1	1.016
30	0.440883	0.803249	2.0	1.014
35	0.448280	0.775208	1.9	1.013
40	0.454210	0.753417	1.8	1.010
45	0.459072	0.735988	1.8	1.009
50	0.463131	0.721727	1.7	1.008
55	0.466572	0.709838	1.7	1.008
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CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
20	0.051758	0.088363	357.3	1.995
1	0.118588	0.670957	43.6	1.401
2	0.172258	0.392735	18.8	1.245
3	0.213518	0.042588	11.7	1.174
4	0.246088	0.398214	3.6	1.134
5	0.272396	0.022745	6.9	1.103
6	0.294090	0.776896	5.8	1.090
7	0.312298	0.603157	5.1	1.077
8	0.327809	0.473759	4.5	1.067
9	0.341192	0.373437	4.1	1.059
10	0.363139	0.227758	3.6	1.048
12	0.380411	0.126795	3.2	1.040
14	0.394378	0.052517	2.5	1.034
16	0.405918	0.995477	2.7	1.029
18	0.415622	0.550242	2.6	1.026
20	0.434270	0.869528	2.3	1.020
25	0.447652	0.816085	2.1	1.016
30	0.457737	0.778014	2.0	1.014
35	0.465616	0.749482	1.9	1.012
40	0.471944	0.727287	1.8	1.010
45	0.477141	0.709520	1.8	1.009
50	0.481485	0.694970	1.7	1.008
55	0.485172	0.682834	1.7	1.008

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
25	0.055782	0.394271	367.9	1.997
1	0.126469	0.674679	44.8	1.404
2	0.182474	0.376546	19.3	1.248
3	0.225989	0.019743	12.0	1.177
4	0.260471	0.371645	8.8	1.136
5	0.288433	0.995582	7.0	1.100
6	0.311579	0.745721	5.5	1.092
7	0.331077	0.570369	5.2	1.079
8	0.347746	0.439523	4.6	1.069
9	0.362175	0.337974	4.2	1.061
10	0.385942	0.190234	3.6	1.049
12	0.404750	0.087587	3.3	1.041
14	0.420035	0.011392	3.0	1.035
16	0.432720	0.953640	2.8	1.030
18	0.443429	0.907350	2.6	1.027
20	0.464129	0.824507	2.3	1.021
25	0.479092	0.769442	2.1	1.017
30	0.490434	0.730087	2.0	1.014
35	0.499339	0.700514	1.9	1.012
40	0.506520	0.677455	1.8	1.010
45	0.512438	0.658958	1.8	1.009
50	0.517400	0.643785	1.7	1.008
55	0.521623	0.631110	1.7	1.008

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
30	0.058576	0.598734	375.7	0.998
1	0.131637	9.676953	45.7	0.406
2	0.189539	5.365449	5.7	0.250
3	0.234631	4.004127	2.3	0.179
4	0.270462	3.353467	1.9	0.138
5	0.299601	2.973596	1.7	0.112
6	0.323790	2.724317	1.6	0.094
7	0.344221	2.547787	1.5	0.080
8	0.361733	2.415929	1.4	0.070
9	0.376928	2.313490	1.3	0.062
10	0.402042	2.164239	1.2	0.050
11	0.422000	2.060340	1.1	0.042
12	0.438280	1.983581	1.0	0.036
13	0.451883	1.924408	0.9	0.033
14	0.463321	1.877309	0.8	0.028
15	0.485619	1.792914	0.7	0.021
16	0.501833	1.736467	0.6	0.014
17	0.514183	1.696087	0.5	0.012
18	0.523918	1.665670	0.4	0.009
19	0.535179	1.641906	0.3	0.007
20	0.538310	1.622309	0.2	0.006
21	0.543735	1.607120	0.1	0.005
22	0.548454	1.593994	0.1	0.008

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
35	0.060626	0.745044	381.7	0.998
1	0.135419	9.678481	46.4	0.407
2	0.194712	5.357375	30.0	0.251
3	0.240969	3.992783	2.4	0.180
4	0.277804	3.40252	1.9	0.135
5	0.307824	2.959048	1.7	0.113
6	0.332797	2.708714	1.6	0.095
7	0.353934	2.531303	1.5	0.085
8	0.372086	2.398681	1.4	0.077
9	0.387867	2.295567	1.3	0.068
10	0.414019	2.145139	1.2	0.056
11	0.434869	2.040292	1.1	0.050
12	0.451193	1.962703	1.0	0.044
13	0.466177	1.902805	0.9	0.037
14	0.478272	1.855067	0.8	0.033
15	0.501883	1.769349	0.7	0.028
16	0.519082	1.711863	0.6	0.021
17	0.533226	1.670641	0.5	0.015
18	0.542683	1.639526	0.4	0.012
19	0.551147	1.615173	0.3	0.009
20	0.558158	1.595572	0.2	0.007
21	0.564067	1.579446	0.1	0.006
22	0.569116	1.565937	0.1	0.008

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2 / A-1	REDUCTION
40	0.0622194	0.8549224	386.4	1.999
42	0.138304	0.679575	46.9	1.408
44	0.198663	0.5351240	20.2	1.252
46	0.245816	0.4984172	12.6	1.181
48	0.283426	0.330214	9.2	1.140
50	0.314129	0.2947986	7.4	1.114
52	0.339714	0.2696837	6.2	1.096
54	0.361404	0.2518739	5.4	1.082
56	0.380060	0.2385520	4.8	1.072
58	0.396304	0.2261876	4.4	1.064
60	0.423279	0.2130555	3.8	1.052
62	0.444843	0.2024916	3.4	1.043
64	0.462530	0.1946662	3.1	1.037
66	0.477335	0.1886179	2.9	1.032
68	0.489930	0.1837921	2.7	1.025
70	0.514562	0.1751019	2.4	1.022
72	0.532263	0.1692772	2.2	1.018
74	0.546505	0.1650845	2.0	1.015
76	0.557510	0.1619143	1.9	1.013
78	0.566467	0.1594289	1.8	1.011
80	0.573906	0.1574258	1.8	1.010
82	0.580187	0.1557756	1.7	1.009
84	0.585564	0.1543918	1.7	1.008

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2 / A-1	REDUCTION
45	0.063431	0.940475	390.2	2.000
47	0.140578	0.680396	47.4	1.409
49	0.201778	0.5346421	20.4	1.253
51	0.249641	0.4977412	12.7	1.182
53	0.287868	0.3223330	9.3	1.141
55	0.319118	0.2939291	7.4	1.115
57	0.345193	0.2687453	6.3	1.097
59	0.367328	0.2508847	5.5	1.082
61	0.385391	0.2375149	4.9	1.073
63	0.403009	0.2271077	4.4	1.065
65	0.430653	0.2119014	3.8	1.053
67	0.452800	0.2012747	3.4	1.044
69	0.471003	0.1933946	3.1	1.038
71	0.486258	0.1872981	2.9	1.033
73	0.499278	0.1824293	2.7	1.029
75	0.524789	0.1736485	2.4	1.023
77	0.543572	0.1677513	2.2	1.018
79	0.558032	0.1634988	2.0	1.015
81	0.569534	0.1602782	1.9	1.013
83	0.578917	0.1577498	1.9	1.011
85	0.586725	0.1557094	1.8	1.010
87	0.593331	0.1540256	1.7	1.009
89	0.598994	0.1526140	1.7	1.008

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
50				
1	0.0644432	0.008972	393.3	2.000
2	0.142416	0.6810035	47.7	1.409
3	0.204297	0.42537	20.6	1.253
4	0.252737	0.31968	12.8	1.182
5	0.291467	0.315975	9.4	1.142
6	0.323163	0.32277	7.5	1.116
7	0.349640	0.679950	6.3	1.097
8	0.372140	0.500855	5.5	1.084
9	0.391538	0.366763	4.9	1.073
10	0.408465	0.262339	4.5	1.065
11	0.423664	0.109664	4.2	1.053
12	0.435929	0.002374	3.9	1.045
13	0.447793	0.925617	3.7	1.038
14	0.459358	0.862247	3.5	1.033
15	0.469943	0.813196	3.4	1.030
16	0.479200	0.724621	3.2	1.023
17	0.487559	0.665029	3.1	1.018
18	0.495158	0.621989	3.0	1.015
19	0.502049	0.589347	2.9	1.013
20	0.508244	0.563689	2.8	1.011
21	0.513777	0.542959	2.7	1.010
22	0.518637	0.525844	2.6	1.009
23	0.522918	0.511464	2.5	1.008

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
55				
1	0.0635259	0.065053	393.3	2.001
2	0.1433933	0.681546	48.0	1.410
3	0.205376	0.429340	20.7	1.254
4	0.255294	0.317487	12.9	1.183
5	0.294441	0.310743	9.4	1.143
6	0.326509	0.326500	7.5	1.116
7	0.353321	0.673734	6.3	1.098
8	0.376127	0.494264	5.5	1.084
9	0.395806	0.359844	5.0	1.074
10	0.412993	0.25125	4.5	1.066
11	0.427559	0.101934	4.2	1.054
12	0.440705	0.004703	3.9	1.045
13	0.452706	0.015058	3.7	1.039
14	0.463637	0.033345	3.5	1.034
15	0.473343	0.03983	3.4	1.030
16	0.481624	0.714750	3.2	1.023
17	0.489159	0.654621	3.1	1.019
18	0.495957	0.611133	3.0	1.016
19	0.502077	0.578110	2.9	1.013
20	0.507575	0.552122	2.8	1.011
21	0.512475	0.533114	2.7	1.010
22	0.516837	0.513736	2.6	1.009
23	0.520718	0.499129	2.5	1.008

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
60	0.065954	0.111814	398.2	2.001
1	0.145205	0.681963	48.3	1.410
2	0.208121	0.336663	20.8	1.254
3	0.257442	0.196373	13.0	1.183
4	0.296941	0.130636	9.5	1.143
5	0.329323	0.092165	7.6	1.117
6	0.356418	0.066852	6.4	1.098
7	0.379484	0.048373	5.6	1.085
8	0.399402	0.035403	5.0	1.074
9	0.416810	0.024906	4.5	1.066
10	0.445876	0.009543	3.9	1.054
11	0.469274	0.007823	3.5	1.045
12	0.488590	0.007851	3.2	1.039
13	0.504855	0.004584	2.9	1.034
14	0.518772	0.007952	2.8	1.030
15	0.546226	0.006405	2.4	1.023
16	0.566602	0.004580	2.2	1.019
17	0.582398	0.001927	2.1	1.016
18	0.595041	0.003567	2.0	1.014
19	0.605410	0.004287	1.9	1.012
20	0.614082	0.002101	1.8	1.010
25	0.621449	0.003418	1.8	1.009
30	0.627792	0.004886	1.7	1.008

CONFIDENCE LEVEL=.5
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.00	16.447639	*	2.0000
2	0.00	18.512821	*	1.434
3	0.00	10.127964	*	1.302
4	0.00	7.708647	*	1.247
5	0.00	6.607891	*	1.218
6	0.00	5.987378	*	1.200
7	0.00	5.591448	*	1.188
8	0.00	5.317655	*	1.173
9	0.00	5.117355	*	1.173
10	0.00	4.964603	*	1.168
11	0.00	4.747225	*	1.160
12	0.00	4.600110	*	1.155
14	0.00	4.493398	*	1.151
16	0.00	4.413873	*	1.144
18	0.00	4.351244	*	1.146
20	0.00	4.241099	*	1.142
25	0.00	4.170877	*	1.140
30	0.00	4.121338	*	1.133
35	0.00	4.084746	*	1.133
40	0.00	4.056612	*	1.136
45	0.00	4.034310	*	1.135
50	0.00	4.016195	*	1.133
55	0.00	4.001191	*	1.134
60	0.00		*	

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.000003	19.524903	16058.6	1.591
2	0.0000118	19.0472299	422.8	1.393
3	0.0000431	9.616022	115.1	1.249
4	0.0000836	7.019978	118.8	1.184
5	0.001249	5.870332	39.1	1.150
6	0.001632	5.233764	29.7	1.123
7	0.001977	4.832767	24.3	1.103
8	0.002281	4.558135	21.0	1.083
9	0.002549	4.358731	18.6	1.095
10	0.002735	4.207530	17.0	1.089
12	0.003130	3.995943	14.8	1.080
14	0.003495	3.850396	13.3	1.074
16	0.003750	3.747407	12.4	1.070
18	0.003961	3.669959	11.7	1.067
20	0.004138	3.609617	11.1	1.064
25	0.004476	3.504505	10.2	1.059
30	0.004715	3.436348	9.6	1.056
35	0.004893	3.389668	9.2	1.054
40	0.005033	3.354895	9.0	1.053
45	0.005141	3.328207	8.8	1.052
50	0.005230	3.307078	8.6	1.051
55	0.005304	3.289936	8.5	1.050
60	0.005367	3.275750	8.3	1.049

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
3	0.000515	0.929671	1.945.0	0.987
1	0.003976	0.348611	1.08.5	0.386
2	0.008473	0.463172	37.3	0.231
3	0.012599	0.782139	21.2	0.164
4	0.016082	0.603648	14.9	0.128
5	0.018967	0.953858	11.7	0.106
6	0.021363	0.545591	9.8	0.090
7	0.023368	0.266449	8.6	0.080
8	0.025064	0.064000	7.7	0.072
9	0.026514	0.910660	7.1	0.065
10	0.028853	0.694088	6.2	0.056
11	0.030654	0.548656	5.6	0.050
12	0.032080	0.444349	5.2	0.046
13	0.033255	0.365923	4.9	0.043
14	0.034191	0.304825	4.7	0.040
15	0.035980	0.198398	4.3	0.036
16	0.037226	0.129893	4.1	0.033
17	0.038142	0.082116	3.9	0.031
18	0.038844	0.046901	3.8	0.029
19	0.039393	0.019871	3.7	0.028
20	0.039848	0.998469	3.7	0.027
21	0.040219	0.981104	3.6	0.027
22	0.040532	0.966733	3.5	0.026

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
4	0.002726	0.977836	1.440.9	0.987
1	0.012821	0.500000	79.0	0.395
2	0.023266	0.352097	28.8	0.228
3	0.032038	0.618109	16.7	0.160
4	0.039130	0.420015	11.8	0.123
5	0.044868	0.760438	9.3	0.099
6	0.049562	0.346356	7.8	0.084
7	0.053453	0.065354	6.8	0.073
8	0.056722	0.858142	6.1	0.064
9	0.059502	0.702719	5.6	0.058
10	0.063966	0.483190	4.9	0.049
11	0.067388	0.335744	4.4	0.043
12	0.070039	0.229966	4.1	0.038
13	0.072274	0.150413	3.8	0.035
14	0.074077	0.088422	3.7	0.032
15	0.077450	0.980398	3.3	0.028
16	0.079793	0.910830	3.1	0.025
17	0.081515	0.862294	3.0	0.023
18	0.082833	0.826508	2.9	0.021
19	0.083875	0.799032	2.8	0.020
20	0.084718	0.777273	2.8	0.019
21	0.085415	0.759615	2.7	0.019
22	0.086001	0.744999	2.7	0.018

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.006155	0.650242	944.7	1.589
1	0.023301	9.576408	71.4	1.387
2	0.038862	9.263509	26.5	1.229
3	0.051750	6.495964	15.4	1.160
4	0.062031	5.285205	10.9	1.122
5	0.070297	4.619136	8.6	1.098
6	0.077041	4.201084	7.1	1.082
7	0.082626	3.915372	6.2	1.070
8	0.087315	3.708169	5.6	1.063
9	0.091303	3.551209	5.1	1.055
10	0.097713	3.329437	4.4	1.046
11	0.102629	3.180411	4.0	1.039
12	0.106515	3.073450	3.7	1.035
13	0.109663	2.992973	3.4	1.031
14	0.112323	2.930236	3.2	1.025
15	0.114771	2.820853	3.0	1.024
16	0.117052	2.750361	2.8	1.021
17	0.119230	2.701154	2.7	1.019
18	0.121492	2.664857	2.6	1.018
19	0.123643	2.636979	2.5	1.017
20	0.125766	2.614396	2.4	1.016
21	0.127867	2.596970	2.4	1.015
22	0.129952	2.582130	2.4	1.014

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.009938	34.520365	877.7	1.990
1	0.032631	19.618435	69.2	1.389
2	0.053066	9.193441	25.9	1.233
3	0.069941	6.403020	15.0	1.161
4	0.082395	5.183477	10.6	1.123
5	0.092828	4.512788	8.3	1.098
6	0.101344	4.051829	6.9	1.083
7	0.108404	3.804077	6.0	1.070
8	0.114342	3.595340	5.3	1.061
9	0.119194	3.437168	4.9	1.054
10	0.123054	3.213580	4.4	1.044
11	0.126009	3.063240	4.2	1.038
12	0.128172	2.955273	3.9	1.033
13	0.130427	2.873995	3.7	1.030
14	0.132761	2.810605	3.5	1.027
15	0.135238	2.700009	3.4	1.022
16	0.137599	2.629678	3.3	1.019
17	0.139969	2.578853	3.2	1.017
18	0.142439	2.542083	3.1	1.016
19	0.144935	2.513829	3.0	1.015
20	0.146538	2.491441	2.9	1.014
21	0.147729	2.473263	2.9	1.013
22	0.148839	2.458209	2.8	1.012

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2 / A-1	REDUCTION
7	0.013607	237.3223956	854.2	1.991
12	0.041286	19.643490	68.9	1.391
13	0.065437	9.1337601	25.8	1.233
14	0.084679	6.330589	15.0	1.163
15	0.099951	5.104558	10.6	1.123
16	0.112236	4.430368	8.2	1.099
17	0.122282	4.007145	6.8	1.082
18	0.130628	3.717765	5.9	1.070
19	0.137661	3.507776	5.3	1.061
20	0.143666	3.348598	4.8	1.054
21	0.149333	3.23469	4.4	1.044
22	0.153353	3.15987	4.1	1.037
23	0.156082	3.0863129	3.8	1.032
24	0.166766	2.97135	3.5	1.029
25	0.171595	2.87154	3.3	1.026
26	0.175597	2.78154	3.2	1.021
27	0.183132	2.705445	3.1	1.018
28	0.188405	2.633333	3.0	1.013
29	0.192301	2.562928	2.9	1.014
30	0.195297	2.495708	2.8	1.013
35	0.197672	2.417097	2.7	1.013
40	0.199601	2.3394413	2.6	1.012
45	0.201199	2.375997	2.5	1.012
50	0.202544	2.360739	2.4	1.011

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2 / A-1	REDUCTION
3	0.016980	239.446748	348.9	1.992
12	0.048733	19.659443	69.4	1.393
13	0.076083	9.092454	26.0	1.235
14	0.097759	6.272335	15.1	1.164
15	0.114992	5.041784	10.6	1.125
16	0.128871	4.364817	8.2	1.100
17	0.140246	3.939757	6.8	1.083
18	0.149717	3.649027	5.9	1.070
19	0.157715	3.437981	5.3	1.061
20	0.164553	3.277940	4.8	1.054
21	0.175622	3.051465	4.4	1.044
22	0.184188	2.898967	4.1	1.037
23	0.191010	2.789308	3.8	1.032
24	0.196570	2.706660	3.5	1.028
25	0.201137	2.642136	3.3	1.025
26	0.209902	2.529394	3.2	1.020
27	0.216020	2.456547	3.1	1.017
28	0.220551	2.405593	3.0	1.015
29	0.224041	2.367946	2.9	1.014
30	0.226311	2.338994	2.8	1.012
35	0.229064	2.316034	2.7	1.012
40	0.230932	2.297390	2.6	1.011
45	0.232506	2.281924	2.5	1.010

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.020012	0.109253	851.8	1.0993
12	0.055286	0.670151	70.1	1.0955
15	0.085245	0.055381	26.3	1.0937
18	0.109012	0.225836	15.2	1.0666
21	0.127914	0.990763	10.7	1.0326
24	0.143177	0.311525	8.3	1.0011
27	0.155714	0.884929	6.9	1.0084
30	0.166175	0.593050	5.9	1.0111
33	0.175027	0.381091	5.2	1.0622
36	0.182609	0.220295	4.7	1.0544
39	0.194915	0.992627	4.1	1.0244
42	0.204466	0.839214	3.6	1.0337
45	0.212092	0.728824	3.3	1.0332
48	0.218320	0.645577	3.1	1.0228
51	0.223500	0.580550	2.9	1.0255
54	0.223330	0.466844	2.6	1.0200
57	0.224033	0.393305	2.4	1.0077
60	0.224533	0.341330	2.3	1.0053
63	0.224929	0.303775	2.2	1.0132
66	0.225243	0.274495	2.1	1.0022
69	0.225499	0.251126	2.0	1.0011
72	0.225711	0.232398	2.0	1.0010
75	0.225891	0.216741	1.9	1.0000

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.022714	0.446256	853.7	1.0994
12	0.060934	0.677554	71.0	1.0966
15	0.093161	0.024484	26.6	1.0239
18	0.118723	0.186907	15.4	1.0667
21	0.139032	0.948528	10.8	1.0227
24	0.155557	0.267387	8.4	1.0022
27	0.169116	0.839482	6.9	1.0084
30	0.180454	0.546608	5.9	1.0072
33	0.190066	0.333847	5.3	1.0622
36	0.198316	0.172393	4.8	1.0555
39	0.211734	0.943645	4.1	1.0444
42	0.222179	0.789402	3.6	1.0337
45	0.230338	0.678343	3.3	1.0322
48	0.237379	0.594542	3.1	1.0228
51	0.243031	0.529047	2.9	1.0255
54	0.253898	0.414439	2.6	1.0200
57	0.261536	0.340248	2.4	1.0166
60	0.267218	0.288279	2.2	1.0144
63	0.271610	0.249835	2.1	1.0132
66	0.275106	0.220241	2.0	1.0110
69	0.277955	0.196754	2.0	1.0110
72	0.280322	0.177659	2.0	1.0110
75	0.282320	0.161927	1.9	1.0000

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
12	0.027255	244.463406	377.00	1.9955
1	0.070189	19.687168	72.88	1.399
2	0.106078	8.976078	27.3	1.241
3	0.134567	6.126273	15.8	1.169
4	0.157323	4.882753	11.0	1.129
5	0.175816	4.158390	8.5	1.104
6	0.191091	3.768555	7.0	1.086
7	0.203911	3.474034	6.0	1.073
8	0.214818	3.259928	5.3	1.064
9	0.224208	3.097327	4.8	1.056
10	0.233547	2.866744	4.4	1.045
11	0.241548	2.711047	4.1	1.038
12	0.251195	2.598803	3.8	1.032
13	0.261919	2.514014	3.5	1.028
14	0.275746	2.447680	3.3	1.025
15	0.288375	2.331432	3.1	1.020
16	0.297341	2.255043	3.0	1.016
17	0.304033	2.203155	2.9	1.014
18	0.309232	2.163988	2.8	1.012
19	0.313377	2.133807	2.7	1.011
20	0.316763	2.109835	2.6	1.010
21	0.319581	2.090331	2.5	1.009
22	0.321963	2.074152	2.4	1.009

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
14	0.030875	245.912609	896.3	1.996
1	0.077403	19.692721	74.5	1.401
2	0.116112	8.939998	27.9	1.243
3	0.146882	6.081302	16.7	1.171
4	0.171338	4.833964	11.2	1.131
5	0.191630	4.147481	8.7	1.105
6	0.208287	3.715781	7.4	1.087
7	0.222309	3.419946	6.4	1.074
8	0.234275	3.204749	5.4	1.065
9	0.244605	3.041215	4.9	1.057
10	0.261541	2.809095	4.4	1.046
11	0.274850	2.652167	4.1	1.038
12	0.285590	2.538908	3.8	1.033
13	0.294441	2.453261	3.5	1.028
14	0.301865	2.386194	3.3	1.025
15	0.316070	2.268499	3.1	1.020
16	0.326205	2.192037	2.9	1.016
17	0.333804	2.138321	2.8	1.014
18	0.339714	2.098495	2.7	1.011
19	0.344444	2.067777	2.6	1.011
20	0.348315	2.043358	2.5	1.010
21	0.351542	2.023478	2.4	1.009
22	0.354274	2.006975	2.3	1.008

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.033805	247.004101	914.3	1.997
2	0.083156	19.696232	76.1	1.402
3	0.124102	8.912126	28.4	1.245
4	0.156699	6.046659	16.4	1.173
5	0.182885	4.796336	11.4	1.133
6	0.204285	4.108039	8.8	1.107
7	0.222076	3.674995	7.3	1.089
8	0.237093	3.378084	6.2	1.076
9	0.249939	3.161984	5.5	1.066
10	0.261056	2.997668	4.9	1.058
12	0.279340	2.764247	4.2	1.047
14	0.293753	2.606264	3.7	1.039
16	0.305441	2.492124	3.3	1.033
18	0.315094	2.405720	3.1	1.029
20	0.323210	2.339018	2.9	1.025
25	0.338799	2.219037	2.5	1.020
30	0.349971	2.141612	2.3	1.016
35	0.358376	2.087148	2.2	1.014
40	0.364932	2.046721	2.1	1.012
45	0.370190	2.015511	2.0	1.011
50	0.374502	1.990681	1.9	1.009
55	0.378102	1.970451	1.9	1.009
60	0.381154	1.953630	1.8	1.008

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
18	0.036215	247.855764	930.7	1.997
2	0.087840	19.698550	77.4	1.403
3	0.130601	8.889971	23.9	1.246
4	0.164693	6.019173	16.7	1.174
5	0.192141	4.766495	11.6	1.134
6	0.214627	4.076688	9.0	1.108
7	0.233364	3.642534	7.4	1.090
8	0.249217	3.344725	6.3	1.077
9	0.262807	3.127864	5.6	1.067
10	0.274592	2.962885	5.0	1.059
12	0.294023	2.728347	4.2	1.047
14	0.309412	2.569450	3.7	1.039
16	0.321903	2.454541	3.3	1.034
18	0.332255	2.367489	3.1	1.029
20	0.340980	2.299206	2.9	1.026
25	0.357793	2.179078	2.5	1.020
30	0.369890	2.100785	2.3	1.016
35	0.379020	2.045640	2.2	1.014
40	0.386160	2.004664	2.1	1.012
45	0.391899	1.973002	2.0	1.010
50	0.396614	1.947793	1.9	1.009
55	0.400556	1.927241	1.9	1.009
60	0.403903	1.910162	1.8	1.008

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
20	1 0.0382227	24 8.538819	94 5.3	1.598
	2 0.0917222	19 8.700249	78 6.6	1.404
	3 0.135986	8 8.871950	29 6.4	1.247
	4 0.1713322	5 9.996840	16 6.3	1.176
	5 0.1998228	4 7.42219	11 6.8	1.135
	6 0.2232299	4 0.51173	9 7.1	1.109
	7 0.2427699	3 6.16087	7 7.5	1.091
	8 0.2593333	3 3.17517	6 6.4	1.078
	9 0.2735619	3 3.100005	5 5.6	1.067
	10 0.285919	2 9.34455	5 5.1	1.060
	11 0.306351	2 6.98950	4 4.3	1.048
	12 0.322570	2 5.39254	3 3.8	1.040
	13 0.335773	2 4.23668	3 3.4	1.034
	14 0.346742	2 3.36033	3 3.1	1.030
	15 0.356005	2 2.67241	2 2.9	1.026
	16 0.373907	2 1.46084	2 2.6	1.020
	17 0.386836	2 0.67005	2 2.3	1.016
	18 0.396623	2 0.11239	2 2.2	1.014
	19 0.404294	1 9.69761	2 2.1	1.012
	20 0.410473	1 9.937682	2 2.0	1.010
	21 0.415557	1 9.12122	1 1.9	1.009
	22 0.419814	1 8.91271	1 1.8	1.008
	23 0.423433	1 8.873934	1 1.8	1.008

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
25	1 0.042039	24 9.772205	97 5.3	1.598
	2 0.099017	19 9.702747	81 6.0	1.406
	3 0.146103	8 8.838858	30 6.2	1.249
	4 0.163799	5 9.553975	17 6.4	1.178
	5 0.214325	4 6.697642	12 6.1	1.137
	6 0.239486	4 0.004256	9 7.1	1.111
	7 0.260582	3 5.67382	7 7.7	1.093
	8 0.278536	3 2.67333	6 6.5	1.079
	9 0.294014	3 3.048544	5 5.8	1.069
	10 0.307507	2 9.881866	5 5.2	1.061
	11 0.329921	2 6.44426	4 4.4	1.049
	12 0.347815	2 4.83112	3 3.8	1.041
	13 0.362469	2 3.66143	3 3.5	1.035
	14 0.374696	2 2.77306	3 3.2	1.031
	15 0.385067	2 2.07458	3 3.0	1.027
	16 0.405237	2 0.84140	2 2.6	1.021
	17 0.419918	2 0.00392	2 2.4	1.017
	18 0.431101	1 9.946292	2 2.2	1.014
	19 0.439914	1 9.903724	2 2.1	1.012
	20 0.447042	1 8.70736	2 2.0	1.011
	21 0.452930	1 8.44406	1 1.9	1.009
	22 0.457877	1 8.22895	1 1.8	1.008
	23 0.462093	1 8.04985	1 1.8	1.008

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
30	1 0.0447119	25 0.597259	99 8.0	1.999
2	0.1041106	19.704079	82.8	1.407
3	0.153161	8.816336	30.9	1.251
4	0.192518	5.928017	17.8	1.179
5	0.224481	4.667290	12.4	1.139
6	0.250906	3.972254	9.5	1.112
7	0.273127	3.534101	7.3	1.094
8	0.292094	3.232979	6.7	1.081
9	0.308490	3.013254	5.9	1.071
10	0.322820	2.845740	5.3	1.062
11	0.334671	2.606851	4.4	1.050
12	0.346587	2.444309	3.9	1.042
13	0.358163	2.326277	3.5	1.036
14	0.369482	2.236508	3.2	1.031
15	0.380603	2.165832	3.0	1.028
16	0.391827	2.104801	2.6	1.021
17	0.403057	2.053706	2.4	1.017
18	0.414280	2.000518	2.2	1.014
19	0.425501	1.957049	2.0	1.012
20	0.436719	1.823304	1.9	1.011
21	0.447932	1.796328	1.8	1.010
22	0.459143	1.774258	1.8	1.009
23	0.470353	1.755861	1.8	1.008

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
35	1 0.046701	25 1.187966	10 5.8	1.999
2	0.107852	19.704875	34.2	1.408
3	0.158350	8.800027	11.4	1.252
4	0.198951	5.907851	8.1	1.181
5	0.231937	4.645296	6.6	1.140
6	0.259352	3.949035	5.7	1.114
7	0.282435	3.509920	7.9	1.095
8	0.302171	3.207984	6.8	1.082
9	0.319269	2.987544	6.0	1.073
10	0.334244	2.819386	5.4	1.063
11	0.345928	2.579371	4.5	1.051
12	0.355938	2.415865	4.0	1.043
13	0.365437	2.296992	3.6	1.037
14	0.374502	2.206479	3.3	1.032
15	0.383194	2.135139	3.0	1.028
16	0.391531	2.009716	2.7	1.022
17	0.400035	1.925513	2.4	1.018
18	0.407580	1.866420	2.2	1.015
19	0.415327	1.822195	2.0	1.013
20	0.422940	1.787810	1.9	1.010
21	0.430331	1.760284	1.9	1.009
22	0.437580	1.737735	1.9	1.009
23	0.444633	1.718918	1.8	1.008

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2 / A-1	REDUCTION
40	0.048226	0.631757	0.2955	0.000
30	0.110724	0.705391	0.3533	0.409
20	0.162346	0.787676	0.4188	0.253
15	0.203889	0.892580	0.4833	0.182
10	0.237758	0.628627	0.5271	0.141
8	0.265873	0.534330	0.5888	0.115
7	0.289612	0.491536	0.6000	0.096
6	0.309954	0.488981	0.6399	0.083
5	0.327607	0.567976	0.6600	0.072
4	0.343092	0.799307	0.5544	0.064
3	0.365042	0.558394	0.4666	0.052
2	0.389994	0.339411	0.4400	0.044
1	0.407315	0.274556	0.3600	0.037
0	0.421905	0.183436	0.3311	0.033
0	0.434383	0.111552	0.3171	0.029
0	0.458961	0.983976	0.2444	0.021
0	0.477137	0.899846	0.2222	0.018
0	0.491171	0.839988	0.2111	0.015
0	0.502354	0.795121	0.2000	0.011
0	0.511490	0.760186	0.1900	0.011
0	0.519099	0.732185	0.1800	0.010
0	0.525540	0.709232	0.1700	0.009
0	0.531065	0.690039	0.1600	0.008

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2 / A-1	REDUCTION
45	0.049435	0.977381	0.4144	0.000
35	0.112994	0.705745	0.4866	0.410
25	0.165499	0.778000	0.5511	0.254
20	0.207799	0.880617	0.6155	0.183
15	0.242332	0.615559	0.6800	0.141
10	0.271041	0.917599	0.7000	0.115
8	0.295315	0.477135	0.7000	0.096
7	0.316146	0.174046	0.7000	0.083
6	0.334247	0.952383	0.6500	0.072
5	0.350147	0.783500	0.5500	0.064
4	0.376842	0.541885	0.4666	0.052
3	0.398446	0.376931	0.4400	0.044
2	0.416345	0.256813	0.4000	0.037
1	0.433453	0.165287	0.3600	0.033
0	0.444399	0.092848	0.3311	0.029
0	0.469971	0.964303	0.3171	0.021
0	0.488954	0.879386	0.2444	0.018
0	0.503658	0.818873	0.2222	0.015
0	0.515408	0.733452	0.2111	0.011
0	0.525030	0.738041	0.2000	0.011
0	0.533062	0.709626	0.1900	0.010
0	0.539873	0.686300	0.1800	0.009
0	0.545726	0.666795	0.1700	0.008

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
50	1	252	105	2
1	0.050416	0.254168	1.0	0.000
2	0.114834	0.706000	0.6	0.410
3	0.168055	0.770215	0.2	0.254
4	0.210971	0.870991	0.8	0.33
5	0.246047	0.605040	0.0	0.442
6	0.275241	0.906466	0.0	0.116
7	0.299956	0.465510	0.2	0.098
8	0.321133	0.161998	0.7	0.084
9	0.339661	0.640157	0.6	0.074
10	0.355904	0.770730	0.5	0.065
11	0.383217	0.528471	0.4	0.053
12	0.405366	0.363017	0.4	0.055
13	0.423731	0.242424	0.7	0.038
14	0.439295	0.150373	0.4	0.034
15	0.452637	0.077648	0.0	0.030
16	0.479054	0.948277	0.0	0.025
17	0.498730	0.862683	0.0	0.019
18	0.514011	0.801604	0.0	0.015
19	0.526253	0.755699	0.0	0.013
20	0.536304	0.719872	0.0	0.012
25	0.544704	0.691093	0.0	0.010
30	0.553184	0.667446	0.0	0.009
40	0.557985	0.647656	0.0	0.008

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
55	1	252	105	2
1	0.053423	0.430820	1.0	0.000
2	0.116351	0.706190	0.6	0.410
3	0.170169	0.763817	0.2	0.255
4	0.213953	0.863030	0.8	0.33
5	0.249133	0.596390	0.0	0.442
6	0.277372	0.897307	0.0	0.116
7	0.300380	0.455940	0.2	0.098
8	0.322537	0.152074	0.7	0.084
9	0.344415	0.929916	0.6	0.074
10	0.360691	0.760200	0.5	0.066
11	0.383537	0.517424	0.4	0.054
12	0.411135	0.351517	0.4	0.045
13	0.429935	0.230520	0.7	0.039
14	0.445852	0.138105	0.4	0.034
15	0.459532	0.065048	0.0	0.030
16	0.486678	0.934964	0.0	0.025
17	0.506954	0.848782	0.0	0.019
18	0.522274	0.787208	0.0	0.016
19	0.535415	0.740879	0.0	0.013
20	0.545836	0.704684	0.0	0.012
25	0.554567	0.675582	0.0	0.010
30	0.561995	0.651650	0.0	0.009
40	0.568397	0.631605	0.0	0.008

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
60	0.05191	0.66982	1065.8	2.000
50	0.05176	0.70633	865.8	1.413
40	0.05171	0.75846	652.8	1.255
30	0.05158	0.81635	500.8	1.177
20	0.05171	0.88963	400.8	1.143
10	0.05287	0.94792	300.8	1.117
8	0.05307	0.9757	265.8	1.098
6	0.05328	0.99330	237.1	1.083
4	0.05479	1.03366	165.6	1.075
2	0.05930	1.0852	144.7	1.066
1	0.06603	1.148	144.7	1.054
0	0.07176	1.22050	144.7	1.046
0	0.08389	1.30506	144.7	1.039
0	0.09710	1.40322	144.7	1.034
0	0.11397	1.52299	144.7	1.030
0	0.13020	1.67501	144.7	1.024
0	0.14325	1.72834	144.7	1.019
0	0.15401	1.69791	144.7	1.014
0	0.16305	1.66340	144.7	1.009
0	0.17072	1.63821	144.7	1.004
0	0.17735	1.61793	144.7	1.000

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.0	7.789011	*	2.0000
2	0.0	8.506329	*	2.4255
3	0.0	8.774434	*	2.8877
4	0.0	8.921786	*	3.3300
5	0.0	9.006982	*	3.7999
6	0.0	9.081310	*	4.2811
7	0.0	9.147266	*	4.7688
8	0.0	9.207088	*	5.2599
9	0.0	9.260928	*	5.7533
10	0.0	9.309728	*	6.2477
12	0.0	9.553769	*	7.1440
14	0.0	9.629793	*	7.9333
16	0.0	9.691512	*	8.7111
18	0.0	9.748052	*	9.4888
20	0.0	9.871494	*	10.2666
25	0.0	9.686366	*	11.2222
30	0.0	9.567535	*	12.0000
35	0.0	9.484320	*	12.8888
40	0.0	9.423937	*	13.7666
45	0.0	9.377254	*	14.6555
50	0.0	9.340323	*	15.5555
55	0.0	9.310379	*	16.4444
60	0.0	9.285611	*	17.3333

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
2	2.00E-7	799.512483	123.204.1	2.9996
3	0.0000015	39.0224345	64.3.0	2.4006
4	0.0000073	6.0782230	6.42.6	2.2555
5	0.0000164	0.690764	5.2.6	2.3399
6	0.0000269	8.4810399	9.5.9	2.4544
7	0.0000376	7.311749	6.5.6	2.3322
8	0.000477	6.596958	5.1.4	2.1777
9	0.000571	6.117765	4.2.3	2.0066
10	0.000657	5.775332	3.7.0	2.0098
12	0.000735	5.519001	3.3.0	2.0022
14	0.000870	5.161547	2.7.7	2.0033
16	0.000981	4.924675	2.4.5	2.0077
18	0.001074	4.756419	2.2.3	2.0072
20	0.001151	4.630840	2.0.7	2.0099
25	0.001217	4.533573	1.9.6	2.0066
30	0.001346	4.365369	1.7.6	2.0064
35	0.001439	4.257940	1.6.4	2.0038
40	0.001509	4.183420	1.5.0	2.0056
45	0.001563	4.123708	1.5.0	2.0055
45	0.001607	4.086839	1.4.6	2.0055
50	0.001643	4.053767	1.4.2	2.0052
55	0.001673	4.026935	1.4.0	2.0052
60	0.001699	4.004855	1.3.7	2.0051

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
3	0.000129	0.3285224	7780.9	1.9995
1	0.001419	0.322669	254.5	1.996
2	0.003449	0.592648	72.2	1.240
3	0.005510	0.134511	37.0	1.171
4	0.007361	0.921207	24.4	1.135
5	0.008960	0.758407	18.3	1.100
6	0.010326	0.551039	14.8	1.055
7	0.011496	0.578473	12.7	1.083
8	0.012501	0.241669	11.2	1.075
9	0.013371	0.990020	10.1	1.069
10	0.014797	0.639865	8.6	1.059
11	0.015911	0.408318	7.7	1.053
12	0.016803	0.244037	7.1	1.045
13	0.017532	0.121641	6.6	1.040
14	0.018133	0.026379	6.3	1.042
15	0.019283	0.863156	5.7	1.038
16	0.020086	0.758689	5.3	1.035
17	0.020630	0.686269	5.1	1.033
18	0.021137	0.633120	4.9	1.031
19	0.021499	0.592460	4.8	1.030
20	0.021794	0.550350	4.7	1.029
25	0.022037	0.534352	4.6	1.028
30	0.022242	0.512373	4.5	1.028

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
4	0.001071	0.0753862	3654.9	1.994
1	0.006329	0.5000000	159.0	1.994
2	0.012436	0.320195	49.0	1.236
3	0.017998	0.813718	26.0	1.166
4	0.022634	0.592651	17.7	1.127
5	0.026435	0.4229490	13.2	1.103
6	0.029696	0.723358	10.7	1.087
7	0.032395	0.252277	9.2	1.076
8	0.034638	0.916864	8.1	1.067
9	0.036654	0.666433	7.3	1.060
10	0.039843	0.313222	6.2	1.051
11	0.042310	0.088111	5.6	1.044
12	0.044271	0.924962	5.1	1.040
13	0.045867	0.803354	4.8	1.036
14	0.047188	0.709256	4.5	1.033
15	0.049674	0.546704	4.3	1.034
16	0.051410	0.442996	4.1	1.036
17	0.052690	0.371103	3.9	1.034
18	0.053672	0.318342	3.7	1.033
19	0.054450	0.277977	3.5	1.031
20	0.055081	0.246100	3.3	1.029
25	0.055603	0.220290	3.2	1.028
30	0.056042	0.199966	3.2	1.028

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.0033011	922.523730	2733.8	1.995
1	0.0133259	39.595455	134.6	1.395
2	0.023792	15.130962	42.8	1.236
3	0.032768	9.593213	22.9	1.165
4	0.040145	7.366626	15.4	1.126
5	0.046198	6.202724	11.7	1.101
6	0.051208	5.496942	9.5	1.085
7	0.055404	5.026435	8.1	1.073
8	0.058957	4.691587	7.4	1.064
9	0.061999	4.441654	6.4	1.057
10	0.066926	4.094225	5.5	1.047
11	0.070734	3.864668	4.9	1.041
12	0.073752	3.701917	4.4	1.036
13	0.076224	3.580603	4.1	1.032
14	0.078264	3.486727	3.8	1.030
15	0.082100	3.324537	3.5	1.035
16	0.084765	3.221039	3.3	1.032
17	0.086764	3.149276	3.1	1.030
18	0.088284	3.096603	3.0	1.028
19	0.089488	3.056301	2.9	1.027
20	0.090464	3.024469	2.8	1.026
21	0.091273	3.000932	2.8	1.025
22	0.091953	2.977393	2.7	1.025

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.005512	937.890446	2406.3	1.995
1	0.020582	39.643652	126.1	1.396
2	0.033061	14.990342	40.7	1.237
3	0.047145	9.431451	21.9	1.165
4	0.056945	7.201069	14.7	1.126
5	0.064974	6.036344	11.1	1.101
6	0.071611	5.330854	9.0	1.085
7	0.077167	4.860585	7.7	1.073
8	0.081874	4.525973	6.7	1.064
9	0.085907	4.276239	6.0	1.057
10	0.089247	3.929091	5.5	1.047
11	0.092511	3.699697	4.9	1.041
12	0.101543	3.331703	4.4	1.036
13	0.104827	3.415766	4.1	1.032
14	0.107533	3.331906	3.8	1.030
15	0.111268	3.159697	3.5	1.035
16	0.111628	3.056145	3.3	1.032
17	0.111894	3.984323	3.1	1.030
18	0.112099	3.031591	2.9	1.028
19	0.112261	3.894232	2.8	1.027
20	0.112393	3.885955	2.8	1.026
21	0.112502	3.863330	2.8	1.025
22	0.112593	3.842192	2.7	1.025

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.008184	9.052920	2269.3	1.996
1	0.027534	9.679993	123.2	1.397
2	0.045426	4.881883	40.0	1.238
3	0.060161	9.307871	21.5	1.166
4	0.072116	7.074731	14.4	1.126
5	0.081884	5.909670	10.9	1.101
6	0.089964	5.203935	8.8	1.084
7	0.096736	4.733719	7.5	1.072
8	0.102483	4.399160	6.5	1.062
9	0.107413	4.149459	5.9	1.055
10	0.111545	3.802311	5.0	1.045
11	0.114646	3.572860	4.4	1.038
12	0.116611	3.410113	4.0	1.033
13	0.117306	3.288745	3.7	1.029
14	0.117832	3.194785	3.4	1.027
15	0.118296	3.122336	3.1	1.022
16	0.118667	3.065578	2.9	1.018
17	0.118917	3.018583	2.7	1.016
18	0.119073	2.980370	2.5	1.015
19	0.119155	2.946324	2.5	1.014
20	0.119162	2.913123	2.4	1.013
25	0.119176	2.705328	2.3	1.012
30	0.119187	2.583911	2.3	1.011
40	0.119191			
50	0.119191			
60	0.119191			

CONFIDENCE LEVEL=.975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
3	0.010797	9.521529	2212.5	1.996
1	0.033385	9.699437	122.5	1.399
2	0.054672	4.795893	39.9	1.239
3	0.071714	9.210536	21.4	1.168
4	0.085526	6.975276	14.4	1.127
5	0.096820	5.809730	10.9	1.102
6	0.106177	5.103864	8.7	1.085
7	0.114034	4.633588	7.4	1.072
8	0.120712	4.298974	6.5	1.063
9	0.126453	4.049204	5.8	1.055
10	0.131803	3.701889	4.9	1.045
11	0.143084	3.472251	4.3	1.038
12	0.148911	3.309314	3.9	1.033
13	0.153676	3.187764	3.6	1.029
14	0.157643	3.093634	3.4	1.026
15	0.165164	2.930815	3.0	1.021
16	0.170461	2.826758	2.7	1.018
17	0.174395	2.754522	2.6	1.015
18	0.177430	2.701446	2.5	1.014
19	0.179843	2.660800	2.4	1.013
20	0.181807	2.628675	2.3	1.012
25	0.183437	2.602646	2.3	1.011
30	0.184812	2.581127	2.2	1.011
40				
50				
60				

CONFIDENCE LEVEL=.975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.013251	0.163642	2.193.0	.996
1	0.039501	0.712037	2.23.0	.400
2	0.062833	1.4726180	1.40.1	.241
3	0.081872	9.131981	2.1.6	.169
4	0.097306	6.895021	1.4.4	.128
5	0.109945	5.729023	1.0.3	.100
6	0.120434	5.022974	8.7	.085
7	0.129259	4.552570	7.4	.073
8	0.136774	4.217832	6.5	.063
9	0.143246	3.967934	5.3	.056
10	0.153813	3.620352	4.3	.045
11	0.162066	3.390448	4.2	.038
12	0.168687	3.227261	3.8	.032
13	0.174114	3.105480	3.5	.026
14	0.178642	3.011137	3.3	.020
15	0.187242	2.847871	3.1	.017
16	0.193321	2.743461	2.9	.015
17	0.197845	2.670941	2.8	.013
18	0.201342	2.617636	2.7	.011
19	0.204127	2.576799	2.6	.010
20	0.206396	2.544515	2.5	.009
21	0.208231	2.518349	2.4	.008
22	0.209871	2.496713	2.3	.007

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.015509	0.511422	2.192.8	.997
1	0.044513	0.720503	2.24.0	.401
2	0.070022	1.4668600	1.40.5	.242
3	0.090801	9.067304	2.1.7	.170
4	0.107659	6.828935	1.4.5	.129
5	0.121487	5.662313	1.0.5	.104
6	0.132935	4.956250	8.8	.086
7	0.142676	4.485676	7.4	.073
8	0.150946	4.150775	6.5	.063
9	0.158079	3.900713	5.3	.056
10	0.169754	3.552806	4.3	.045
11	0.178899	3.323593	4.2	.038
12	0.186252	3.159120	3.8	.032
13	0.192293	3.037079	3.5	.026
14	0.197342	2.942502	3.3	.020
15	0.206937	2.778743	3.1	.017
16	0.213773	2.673949	2.9	.015
17	0.218856	2.601123	2.8	.013
18	0.222794	2.547568	2.7	.011
19	0.225933	2.506526	2.6	.010
20	0.228494	2.474069	2.5	.009
21	0.230624	2.447756	2.4	.008
22	0.232423	2.425994	2.3	.007

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
12	0.019429	977.588775	2219.0	1.597
13	0.052917	39.7330513	126.6	1.403
14	0.081985	14.579197	41.3	1.244
15	0.105640	8.967184	22.2	1.172
16	0.124876	5.726586	14.8	1.131
17	0.140706	3.559391	11.1	1.105
18	0.153918	4.852662	8.9	1.087
19	0.165093	4.381690	7.5	1.074
20	0.174661	4.046405	6.5	1.065
21	0.182943	3.795967	5.8	1.057
22	0.196554	3.447332	4.8	1.046
23	0.207272	3.216444	4.2	1.038
24	0.215929	3.052357	3.8	1.033
25	0.223068	2.929762	3.5	1.029
26	0.229037	2.834687	3.2	1.025
27	0.234051	2.766989	3.0	1.020
28	0.238682	2.716429	2.8	1.016
29	0.242801	2.679082	2.6	1.014
30	0.246456	2.643290	2.5	1.013
31	0.249556	2.608745	2.4	1.011
32	0.252133	2.575272	2.3	1.010
33	0.254245	2.542452	2.2	1.009
34	0.255955	2.509831	2.1	1.009
35	0.257333	2.477380	2.0	1.009
36	0.258429	2.445003	1.9	1.009

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
14	0.022653	98.3993587	2258.0	1.598
15	0.059611	39.7335723	123.4	1.404
16	0.091436	14.5133114	42.5	1.246
17	0.117383	8.893362	23.5	1.174
18	0.133317	5.651039	14.5	1.133
19	0.150964	3.483180	11.3	1.107
20	0.170572	4.775984	9.0	1.089
21	0.192967	3.304595	7.6	1.075
22	0.219361	3.968907	6.6	1.066
23	0.250851	3.718077	5.9	1.058
24	0.280944	3.368697	4.9	1.046
25	0.300152	3.137125	4.3	1.039
26	0.329931	2.972422	3.8	1.033
27	0.348013	2.843273	3.5	1.029
28	0.354832	2.733701	3.2	1.026
29	0.367924	2.587872	3.0	1.020
30	0.377239	2.481462	2.8	1.016
31	0.384340	2.407349	2.6	1.014
32	0.389838	2.352748	2.5	1.012
33	0.394245	2.310839	2.4	1.011
34	0.397857	2.277653	2.3	1.010
35	0.399871	2.250730	2.2	1.009
36	0.399423	2.228423	2.1	1.008

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.025316	987.777720	2299.0	1.998
1	0.065028	39.738601	131.9	1.405
2	0.099097	14.462344	143.1	1.247
3	0.126858	8.836724	23.0	1.175
4	0.149542	6.593062	15.3	1.134
5	0.168318	5.424581	11.4	1.108
6	0.184083	4.716943	9.2	1.090
7	0.197497	4.245150	7.7	1.077
8	0.209047	3.909073	6.7	1.066
9	0.219096	3.657865	6.0	1.059
10	0.223572	3.477769	4.9	1.047
11	0.224894	3.307345	4.3	1.039
12	0.225969	3.191035	3.8	1.034
13	0.226861	3.103575	3.5	1.029
14	0.227614	3.030528	3.2	1.026
15	0.229066	2.973707	3.0	1.020
16	0.301125	2.941631	2.9	1.016
17	0.309019	2.934178	2.9	1.014
18	0.315519	2.928667	2.9	1.012
19	0.320151	2.924434	2.9	1.011
20	0.324225	2.921079	2.9	1.010
21	0.327631	2.918555	2.9	1.009
22	0.330321	2.916099	2.9	1.008

CONFIDENCE LEVEL=.975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
18	0.027553	991.196534	2338.4	1.998
1	0.069436	39.740250	133.4	1.406
2	0.105372	14.422148	143.1	1.248
3	0.134643	8.791916	23.0	1.176
4	0.158614	6.547140	15.3	1.135
5	0.178501	5.378130	11.4	1.109
6	0.195240	4.670084	9.2	1.091
7	0.209517	4.197914	7.8	1.077
8	0.221836	3.861473	6.8	1.067
9	0.232577	3.609912	6.0	1.059
10	0.235040	3.459149	5.0	1.048
11	0.236461	3.326316	4.3	1.040
12	0.237622	3.206074	3.9	1.034
13	0.238587	3.103002	3.5	1.030
14	0.239404	3.030810	3.2	1.026
15	0.309853	2.972056	3.0	1.020
16	0.321284	2.936433	2.9	1.016
17	0.329942	2.928806	2.9	1.014
18	0.336731	2.933210	2.9	1.012
19	0.342198	2.939047	2.9	1.011
20	0.346697	2.945636	2.9	1.010
21	0.350465	2.952905	2.9	1.009
22	0.353666	2.960623	2.9	1.008

CONFIDENCE LEVEL=.975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
20	0.029415	0.939637	2374.8	0.999
1	0.073211	0.741221	2374.8	0.407
2	0.110608	0.589550	1336.4	0.249
3	0.144147	0.475533	444.5	0.177
4	0.166199	0.388853	237.8	0.136
5	0.187702	0.340408	133.1	0.110
6	0.204593	0.319914	99.4	0.092
7	0.219612	0.299474	77.9	0.078
8	0.232559	0.282269	66.9	0.068
9	0.243934	0.267033	60.4	0.060
10	0.254366	0.253440	55.0	0.048
11	0.264280	0.241900	50.4	0.040
12	0.273789	0.232009	46.6	0.034
13	0.282902	0.223996	43.4	0.030
14	0.291635	0.216933	40.6	0.026
15	0.300000	0.210888	38.4	0.022
16	0.308024	0.205833	36.6	0.019
17	0.315719	0.201747	35.0	0.017
18	0.323098	0.198606	33.7	0.015
19	0.329990	0.196383	32.6	0.014
20	0.336411	0.195047	31.7	0.013
21	0.342384	0.194553	31.0	0.012
22	0.347929	0.194861	30.4	0.011
23	0.353066	0.195833	30.0	0.010
24	0.357819	0.197427	29.7	0.009
25	0.362200	0.199606	29.5	0.008

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
25	0.033020	0.891211	2432.9	0.999
1	0.080033	0.742323	2432.9	0.407
2	0.115034	0.609986	1400.7	0.203
3	0.148006	0.514144	743.5	0.137
4	0.178032	0.442111	443.5	0.099
5	0.203322	0.386200	299.7	0.070
6	0.223389	0.340877	199.0	0.050
7	0.238933	0.303696	143.0	0.037
8	0.250667	0.273356	109.6	0.029
9	0.259177	0.248000	86.0	0.022
10	0.265030	0.226402	69.3	0.017
11	0.269691	0.208333	56.7	0.013
12	0.273499	0.193333	46.7	0.010
13	0.276583	0.180000	39.3	0.008
14	0.279191	0.168000	33.3	0.006
15	0.281375	0.157143	28.0	0.005
16	0.283191	0.147273	23.9	0.004
17	0.284699	0.138333	20.6	0.003
18	0.285958	0.130222	17.9	0.002
19	0.286934	0.122857	15.6	0.001
20	0.287699	0.116111	13.7	0.001
21	0.288231	0.110000	12.2	0.001
22	0.288581	0.104444	11.0	0.001
23	0.288781	0.099333	10.0	0.001
24	0.288861	0.094667	9.2	0.001
25	0.288841	0.090333	8.5	0.001

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
30	0.0335580	0.211782	2.513.2	1.599
1	0.085253	0.742277	1.44.0	1.409
2	0.127516	1.289445	1.46.9	1.252
3	0.162183	1.644084	1.48.1	1.180
4	0.190810	1.895325	1.50.6	1.140
5	0.214786	2.124169	1.52.4	1.113
6	0.235156	2.324356	1.54.9	1.095
7	0.253688	2.504051	1.56.3	1.081
8	0.267951	2.670245	1.57.2	1.071
9	0.281336	2.814931	1.58.4	1.063
10	0.293990	2.935568	1.59.3	1.051
11	0.303211	3.039998	1.60.6	1.043
12	0.311717	3.126666	1.61.7	1.036
13	0.319819	3.196523	1.62.7	1.032
14	0.327571	3.254591	1.63.4	1.029
15	0.335068	3.299997	1.64.9	1.027
16	0.342395	3.331799	1.66.2	1.024
17	0.349574	3.350499	1.67.3	1.022
18	0.356673	3.358330	1.68.1	1.021
19	0.363712	3.356691	1.69.1	1.020
20	0.370712	3.346777	1.70.0	1.019
21	0.377712	3.329568	1.71.9	1.018
22	0.384712	3.305568	1.73.9	1.017
23	0.391712	3.275568	1.75.9	1.016
24	0.398712	3.240568	1.77.9	1.015
25	0.405712	3.200568	1.79.9	1.014
26	0.412712	3.155568	1.81.9	1.013
27	0.419712	3.105568	1.83.9	1.012
28	0.426712	3.050568	1.85.9	1.011
29	0.433712	2.990568	1.87.9	1.010
30	0.440712	2.925568	1.89.9	1.009
31	0.447712	2.855568	1.91.9	1.008

CONFIDENCE LEVEL=.975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
35	0.037494	0.587044	2.561.4	2.000
1	0.088941	0.742113	1.46.6	1.410
2	0.132691	1.260121	1.47.3	1.253
3	0.168635	1.611527	1.48.5	1.183
4	0.198933	1.861815	1.50.9	1.141
5	0.223356	2.090092	1.52.6	1.114
6	0.244623	2.297899	1.54.0	1.096
7	0.262971	2.479789	1.55.5	1.082
8	0.278979	2.636695	1.56.3	1.072
9	0.293083	2.773372	1.57.5	1.064
10	0.305837	2.887722	1.58.4	1.052
11	0.317613	2.982241	1.59.6	1.043
12	0.328510	3.053355	1.60.1	1.037
13	0.338564	3.102611	1.61.7	1.032
14	0.347719	3.131133	1.62.5	1.028
15	0.356039	3.149933	1.63.5	1.025
16	0.363570	3.158204	1.64.6	1.023
17	0.370353	3.166040	1.65.4	1.021
18	0.376902	3.173401	1.66.3	1.019
19	0.383398	3.180358	1.67.1	1.017
20	0.389810	3.186933	1.68.0	1.015
21	0.396152	3.193144	1.68.9	1.013
22	0.402433	3.199004	1.69.8	1.011
23	0.408653	3.204528	1.70.7	1.010
24	0.414813	3.209717	1.71.6	1.009
25	0.420918	3.214588	1.72.5	1.008
26	0.426968	3.219144	1.73.4	1.007
27	0.432963	3.223394	1.74.3	1.006
28	0.438902	3.227341	1.75.2	1.005
29	0.444785	3.231084	1.76.1	1.004
30	0.450612	3.234633	1.77.0	1.003
31	0.456383	3.237988	1.77.9	1.002
32	0.462107	3.241149	1.78.8	1.001
33	0.467781	3.244114	1.79.7	1.000
34	0.473405	3.246894	1.80.6	0.999
35	0.478979	3.249489	1.81.5	0.998
36	0.484502	3.251899	1.82.4	0.997
37	0.489975	3.254124	1.83.3	0.996
38	0.495398	3.256164	1.84.2	0.995
39	0.500771	3.258019	1.85.1	0.994
40	0.506094	3.259699	1.86.0	0.993
41	0.511367	3.261204	1.86.9	0.992
42	0.516590	3.262534	1.87.8	0.991
43	0.521763	3.263689	1.88.7	0.990
44	0.526886	3.264669	1.89.6	0.989
45	0.531959	3.265484	1.90.5	0.988
46	0.536982	3.266134	1.91.4	0.987
47	0.541955	3.266619	1.92.3	0.986
48	0.546878	3.266939	1.93.2	0.985
49	0.551751	3.267094	1.94.1	0.984
50	0.556574	3.267084	1.95.0	0.983
51	0.561347	3.266909	1.95.9	0.982
52	0.566070	3.266569	1.96.8	0.981
53	0.570743	3.266064	1.97.7	0.980
54	0.575366	3.265404	1.98.6	0.979
55	0.579939	3.264589	1.99.5	0.978
56	0.584462	3.263619	2.00.4	0.977
57	0.588935	3.262504	2.01.3	0.976
58	0.593358	3.261244	2.02.2	0.975
59	0.597731	3.259839	2.03.1	0.974
60	0.602054	3.258289	2.04.0	0.973

CONFIDENCE LEVEL=.975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
40	0.038974	1006.571933	2600C.4	2.000
1	0.091780	39.741864	148.7	1.410
2	0.136675	14.238126	48.4	1.254
3	0.173608	8.586907	25.5	1.182
4	0.204228	6.336453	17.2	1.141
5	0.229981	5.164275	12.8	1.115
6	0.251954	4.453575	10.2	1.097
7	0.270945	3.978882	8.6	1.083
8	0.287544	3.639984	7.4	1.072
9	0.302194	3.386033	6.6	1.064
10	0.326927	3.030732	5.4	1.052
11	0.347058	2.793720	4.7	1.044
12	0.363809	2.624061	4.2	1.038
13	0.377992	2.496414	3.8	1.033
14	0.390176	2.396756	3.5	1.029
15	0.414331	2.323229	3.0	1.023
16	0.432283	2.210881	2.7	1.018
17	0.446223	2.023980	2.5	1.015
18	0.457374	1.969602	2.3	1.011
19	0.466509	1.923652	2.2	1.011
20	0.474137	1.887004	2.1	1.010
25	0.480606	1.857071	2.0	1.009
30	0.486165	1.832150	1.9	1.008

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
45	0.040152	1007.762221	2552.4	2.000
1	0.094032	39.741596	150.4	1.411
2	0.139836	14.220837	49.0	1.254
3	0.177538	8.567638	26.2	1.182
4	0.208875	6.316591	17.4	1.141
5	0.235233	5.144041	13.0	1.116
6	0.257796	4.433013	10.4	1.097
7	0.277308	3.958002	8.7	1.084
8	0.294387	3.618793	7.5	1.073
9	0.309481	3.364537	6.7	1.065
10	0.323501	3.008650	5.5	1.053
11	0.335583	2.771093	4.7	1.044
12	0.347322	2.600929	4.2	1.038
13	0.357973	2.472814	3.8	1.033
14	0.368665	2.372725	3.5	1.029
15	0.378886	2.219723	3.0	1.023
16	0.444737	2.083062	2.7	1.018
17	0.459411	2.002552	2.5	1.015
18	0.471184	1.942604	2.3	1.011
19	0.480853	1.896162	2.2	1.011
20	0.488945	1.855908	2.1	1.010
25	0.495822	1.828769	2.0	1.009
30	0.501741	1.803510	1.9	1.008

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
50	0.041111	1008.875737	2639.2	2.000
1	0.095862	39.741338	151.8	.411
2	0.142404	14.206941	49.5	.255
3	0.180769	8.552148	26.4	.183
4	0.212658	6.300615	17.5	.143
5	0.239551	5.127756	13.1	.116
6	0.262561	4.416452	10.5	.098
7	0.282502	3.941175	8.8	.084
8	0.299978	3.601703	7.6	.074
9	0.315443	3.47189	6.7	.066
10	0.341643	3.990809	5.5	.053
11	0.363068	3.752788	4.8	.045
12	0.380972	3.532194	4.3	.039
13	0.396192	3.433680	3.9	.034
14	0.409315	3.353221	3.6	.030
15	0.433461	3.176936	3.0	.023
16	0.455070	3.062062	2.7	.019
17	0.470379	2.980972	2.5	.016
18	0.482693	2.920523	2.3	.013
19	0.492850	2.873646	2.2	.012
20	0.501331	2.836134	2.1	.010
25	0.508568	2.805532	2.0	.009
30	0.514808	2.779971	1.9	.008

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
55	0.041907	1009.787649	2681.8	2.000
1	0.0973377	39.741098	153.0	.411
2	0.144532	14.195529	49.8	.255
3	0.193432	8.533425	26.6	.184
4	0.215796	6.287486	17.7	.143
5	0.243119	5.114366	13.2	.117
6	0.266521	4.402829	10.5	.098
7	0.286823	3.927324	8.8	.085
8	0.304653	3.587629	7.6	.074
9	0.320408	3.332895	6.8	.066
10	0.347173	3.976092	5.6	.054
11	0.369100	3.737673	4.8	.045
12	0.387452	3.566709	4.3	.039
13	0.403079	3.437851	3.9	.034
14	0.426572	3.37072	3.6	.030
15	0.443516	3.160079	3.0	.023
16	0.463784	3.044607	2.7	.019
17	0.479649	2.963006	2.5	.016
18	0.492439	2.902115	2.3	.013
19	0.502939	2.854851	2.2	.012
20	0.511852	2.817048	2.1	.010
25	0.519410	2.786093	2.0	.009
30	0.525936	2.760260	2.0	.008

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
60	0.042579	0.548159	2701.2	2.000
1	0.098653	39.740879	154.1	1.412
2	0.146324	14.183990	50.2	1.256
3	0.185675	8.528789	26.8	1.184
4	0.218441	6.276507	17.3	1.143
5	0.246128	5.103163	13.3	1.117
6	0.269863	4.391425	10.6	1.099
7	0.290472	3.915725	8.9	1.085
8	0.308568	3.575836	7.7	1.075
9	0.324609	3.320913	6.8	1.066
10	0.335185	2.963743	5.6	1.054
12	0.374215	2.724981	4.9	1.046
14	0.392955	2.553694	4.3	1.039
16	0.408933	2.424536	3.9	1.034
18	0.422747	2.323477	3.6	1.030
20	0.450387	2.145864	3.1	1.024
25	0.471233	2.029365	2.8	1.019
30	0.487588	1.947810	2.5	1.016
35	0.500800	1.836526	2.4	1.014
40	0.511718	1.838915	2.3	1.012
45	0.520905	1.800806	2.2	1.011
50	0.528730	1.769578	2.0	1.009
55	0.535533	1.743501	2.0	1.008

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.0	4052.180699	*	2.000
2	0.0	98.502513	*	1.419
3	0.0	34.116222	*	1.275
4	0.0	21.197690	*	1.214
5	0.0	16.258177	*	1.182
6	0.0	13.745023	*	1.163
7	0.0	12.246383	*	1.150
8	0.0	11.258624	*	1.140
9	0.0	10.561431	*	1.133
10	0.0	10.044289	*	1.128
11	0.0	9.330212	*	1.120
12	0.0	8.861593	*	1.115
14	0.0	8.531096	*	1.111
16	0.0	8.285420	*	1.108
18	0.0	8.095958	*	1.106
20	0.0	7.769798	*	1.102
25	0.0	7.562476	*	1.099
30	0.0	7.419117	*	1.098
35	0.0	7.314100	*	1.096
40	0.0	7.233868	*	1.095
45	0.0	7.170577	*	1.094
50	0.0	7.119377	*	1.094
60	0.0	7.077106	*	1.093

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.0	4999.504833	2033332.3	1.999
3	0.000001	99.009875	10126.6	1.411
4	0.000007	30.830314	10507.1	1.239
5	0.000018	18.017949	11556.9	1.192
6	0.000033	13.294860	13361.2	1.156
7	0.000050	10.948121	1198.4	1.134
8	0.000068	9.571924	1146.7	1.118
9	0.000093	8.676115	1116.7	1.108
10	0.000101	8.049918	97.6	1.099
11	0.000117	7.589017	84.5	1.093
12	0.000145	6.958097	68.0	1.084
14	0.000169	6.547820	58.2	1.078
16	0.000190	6.260331	51.7	1.073
18	0.000208	6.047928	47.2	1.070
20	0.000223	5.884717	43.8	1.067
25	0.000234	5.605207	38.4	1.062
30	0.000277	5.428543	35.1	1.059
35	0.000294	5.306860	33.0	1.057
40	0.000308	5.217978	31.4	1.055
45	0.000320	5.150223	30.3	1.054
50	0.000329	5.096867	29.4	1.053
55	0.000337	5.053766	28.7	1.052
60	0.000344	5.018222	28.1	1.052

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
3	0.0000021	5403.574256	48637.1	1.998
1	0.0000361	99.292359	792.7	1.405
2	0.001038	29.573095	175.4	1.248
3	0.001817	16.810011	78.7	1.178
4	0.002574	12.176370	47.7	1.139
5	0.003264	9.897409	33.8	1.115
6	0.003878	8.570338	26.3	1.099
7	0.004419	7.711076	21.7	1.087
8	0.004895	7.112881	18.7	1.079
9	0.005315	6.674023	16.5	1.072
10	0.006018	6.075437	13.7	1.062
12	0.006579	5.687655	12.0	1.056
14	0.007035	5.416653	10.8	1.051
16	0.007413	5.216853	10.0	1.048
20	0.007730	5.063576	9.4	1.045
25	0.008336	4.803597	8.3	1.040
30	0.008766	4.636364	7.7	1.037
35	0.009037	4.522719	7.3	1.035
40	0.009336	4.439795	6.9	1.033
45	0.009534	4.376629	6.7	1.032
50	0.009695	4.326919	6.5	1.031
55	0.009830	4.286781	6.4	1.030
60	0.009943	4.253695	6.3	1.029

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
4	0.000314	5625.243802	15905.2	1.998
1	0.002553	99.500000	399.0	1.403
2	0.005519	28.909666	99.2	1.244
3	0.008435	16.0780	46.9	1.172
4	0.011013	11.568535	29.2	1.133
5	0.013231	9.321050	21.1	1.108
6	0.015126	8.016979	16.5	1.091
7	0.016731	7.174754	13.7	1.079
8	0.018153	6.589544	11.9	1.070
9	0.019366	6.160853	10.8	1.063
10	0.021364	5.777073	8.8	1.053
12	0.022931	5.199501	7.7	1.047
14	0.024139	4.935936	6.9	1.042
16	0.025221	4.741783	6.4	1.038
20	0.026030	4.592935	6.0	1.036
25	0.027709	4.338720	5.3	1.031
30	0.028855	4.178510	4.9	1.028
35	0.029705	4.063377	4.6	1.025
40	0.030360	3.988043	4.4	1.024
45	0.030880	3.926867	4.2	1.023
50	0.031302	3.878732	4.1	1.022
55	0.031653	3.839872	4.0	1.021
60	0.031948	3.807843	4.0	1.020

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.0011188	5764.701727	10956.7	1.998
10	0.006517	99.625794	306.2	1.402
20	0.012640	28.480337	79.9	1.243
40	0.018166	15.737816	38.5	1.170
60	0.022876	11.170038	24.2	1.130
80	0.026841	8.941426	17.5	1.105
100	0.030186	7.651058	13.8	1.088
120	0.033026	6.818947	11.4	1.076
140	0.035459	6.241415	9.9	1.067
160	0.037561	5.818710	8.7	1.060
180	0.040999	5.243601	7.3	1.049
200	0.043685	4.871966	6.3	1.043
220	0.045837	4.612700	5.7	1.038
240	0.047597	4.421794	5.2	1.034
260	0.049062	4.275479	4.8	1.031
280	0.051833	4.025677	4.3	1.026
300	0.053782	3.868299	4.0	1.023
320	0.055225	3.760133	3.7	1.021
340	0.056337	3.681243	3.6	1.019
360	0.057219	3.621172	3.4	1.018
380	0.057936	3.573908	3.3	1.017
400	0.058530	3.535753	3.3	1.017
420	0.058903	3.504306	3.2	1.016

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.002537	5860.301334	3910.9	1.998
12	0.011443	99.699495	272.6	1.403
24	0.020713	38.174197	72.7	1.243
48	0.028792	21.436334	35.4	1.170
96	0.035567	13.088533	23.3	1.130
192	0.041221	8.669578	16.4	1.105
384	0.045969	7.383471	12.7	1.088
768	0.049990	6.563150	10.5	1.076
1536	0.053429	5.990740	9.0	1.067
3072	0.056339	5.572004	8.0	1.060
6144	0.061254	5.002599	6.6	1.049
12288	0.065048	4.634827	5.7	1.043
24576	0.068089	4.378332	5.2	1.038
49152	0.070577	4.189502	4.7	1.034
98304	0.072650	4.044795	4.4	1.031
196608	0.076577	3.797762	3.9	1.026
393216	0.079341	3.642137	3.5	1.023
786432	0.081391	3.535175	3.3	1.021
1572864	0.082971	3.457162	3.3	1.019
3145728	0.034227	3.397736	3.3	1.017
6291456	0.085248	3.351014	3.3	1.017
12582912	0.086094	3.313279	3.2	1.016
25165824	0.086807	3.282177	3.2	1.014

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.004292	0.835225	1.50	0.998
1	0.016570	0.743487	1.5	0.403
2	0.028740	0.943688	2.5	0.244
3	0.039149	0.209782	6.9	0.171
4	0.047812	0.671147	34.0	0.130
5	0.055019	0.464758	22.5	0.087
6	0.061062	0.190336	55.5	0.074
7	0.066181	0.369877	22.0	0.065
8	0.070362	0.801105	8.7	0.057
9	0.074346	0.385168	7.6	0.047
10	0.078053	0.819740	6.5	0.039
11	0.081539	0.454626	5.5	0.034
12	0.084923	0.200013	4.4	0.030
13	0.088247	0.012575	4.4	0.027
14	0.091514	0.858934	4.4	0.022
15	0.094737	0.33709	4.4	0.019
16	0.097916	0.469204	3.3	0.017
17	0.101066	0.362957	3.3	0.015
18	0.104186	0.283525	3.3	0.013
19	0.107279	0.226535	3.3	0.011
20	0.110344	0.180097	2.2	0.009
21	0.113381	0.142613	2.2	0.007
22	0.116391	0.111716	2.2	0.005
23	0.119374		2.2	0.003
24	0.122331		2.2	0.002
25	0.125262		2.2	0.001
26	0.128167		2.2	0.001
27	0.131046		2.2	0.001
28	0.133899		2.2	0.001
29	0.136726		2.2	0.001
30	0.139527		2.2	0.001
31	0.142302		2.2	0.001
32	0.145051		2.2	0.001
33	0.147774		2.2	0.001
34	0.150471		2.2	0.001
35	0.153142		2.2	0.001
36	0.155787		2.2	0.001
37	0.158406		2.2	0.001
38	0.161000		2.2	0.001
39	0.163569		2.2	0.001
40	0.166114		2.2	0.001
41	0.168635		2.2	0.001
42	0.171132		2.2	0.001
43	0.173605		2.2	0.001
44	0.176054		2.2	0.001
45	0.178480		2.2	0.001
46	0.180883		2.2	0.001
47	0.183263		2.2	0.001
48	0.185620		2.2	0.001
49	0.187954		2.2	0.001
50	0.190265		2.2	0.001
51	0.192553		2.2	0.001
52	0.194818		2.2	0.001
53	0.197060		2.2	0.001
54	0.199279		2.2	0.001
55	0.201475		2.2	0.001
56	0.203648		2.2	0.001
57	0.205798		2.2	0.001
58	0.207925		2.2	0.001
59	0.210029		2.2	0.001
60	0.212110		2.2	0.001

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
8	0.006115	0.648483	1.5	0.998
1	0.021155	0.770520	1.5	0.404
2	0.036276	0.763659	2.5	0.244
3	0.048767	0.503318	6.9	0.172
4	0.059123	0.504054	34.0	0.131
5	0.067773	0.304779	22.5	0.085
6	0.074935	0.035588	55.5	0.074
7	0.081007	0.213556	22.0	0.064
8	0.086632	0.655247	8.7	0.057
9	0.090836	0.239589	7.6	0.046
10	0.094830	0.676039	6.5	0.039
11	0.098633	0.212815	5.5	0.034
12	0.102271	0.055518	4.4	0.030
13	0.105863	0.873037	4.4	0.027
14	0.109415	0.730119	4.4	0.022
15	0.112938	0.486088	4.4	0.019
16	0.116433	0.332298	3.3	0.017
17	0.119900	0.226560	3.3	0.015
18	0.123341	0.149415	3.3	0.013
19	0.126757	0.090653	3.3	0.011
20	0.130149	0.044407	2.2	0.009
21	0.133517	0.007064	2.2	0.007
22	0.136861		2.2	0.005
23	0.140182		2.2	0.003
24	0.143481		2.2	0.002
25	0.146758		2.2	0.001
26	0.150014		2.2	0.001
27	0.153249		2.2	0.001
28	0.156463		2.2	0.001
29	0.159656		2.2	0.001
30	0.162829		2.2	0.001
31	0.165981		2.2	0.001
32	0.169113		2.2	0.001
33	0.172225		2.2	0.001
34	0.175317		2.2	0.001
35	0.178390		2.2	0.001
36	0.181444		2.2	0.001
37	0.184479		2.2	0.001
38	0.187495		2.2	0.001
39	0.190492		2.2	0.001
40	0.193470		2.2	0.001
41	0.196429		2.2	0.001
42	0.199369		2.2	0.001
43	0.202290		2.2	0.001
44	0.205192		2.2	0.001
45	0.208075		2.2	0.001
46	0.210939		2.2	0.001
47	0.213784		2.2	0.001
48	0.216610		2.2	0.001
49	0.219417		2.2	0.001
50	0.222205		2.2	0.001
51	0.224974		2.2	0.001
52	0.227724		2.2	0.001
53	0.230455		2.2	0.001
54	0.233167		2.2	0.001
55	0.235860		2.2	0.001
56	0.238534		2.2	0.001
57	0.241189		2.2	0.001
58	0.243825		2.2	0.001
59	0.246442		2.2	0.001
60	0.249040		2.2	0.001

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.0007937	6024.108796	7365.5	1.999
1	0.026137	99.787589	250.3	1.405
2	0.043176	27.619167	68.3	1.245
3	0.057509	14.891651	33.4	1.172
4	0.069376	10.370051	21.1	1.131
5	0.079245	8.176346	15.2	1.105
6	0.087534	6.910858	11.9	1.087
7	0.094573	6.096814	9.8	1.074
8	0.100612	5.532780	8.4	1.065
9	0.105845	5.120441	7.4	1.057
10	0.111444	4.560030	6.0	1.046
11	0.112121	4.198180	5.2	1.039
12	0.112668	3.945819	4.6	1.033
13	0.113117	3.760005	4.2	1.029
14	0.113493	3.617579	3.9	1.026
15	0.113724	3.520986	3.7	1.024
16	0.113901	3.415524	3.5	1.022
17	0.114053	3.303861	3.3	1.020
18	0.114183	3.197926	3.2	1.019
19	0.114293	3.093377	3.1	1.018
20	0.114383	2.996497	3.0	1.017
21	0.114453	2.896497	2.9	1.016
22	0.114503	2.865765	2.8	1.015

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.0009691	6057.513905	7265.9	1.999
1	0.030365	99.798607	250.4	1.405
2	0.049416	27.500671	68.5	1.246
3	0.065383	14.775712	33.5	1.173
4	0.078599	10.260204	21.1	1.133
5	0.089601	8.070963	15.2	1.106
6	0.098855	6.808575	11.9	1.088
7	0.106723	5.996725	9.8	1.073
8	0.113348	5.434287	8.4	1.065
9	0.119335	5.023140	7.4	1.057
10	0.125903	4.464349	6.0	1.046
11	0.133666	4.103315	5.2	1.039
12	0.142838	3.851327	4.6	1.033
13	0.147929	3.666479	4.2	1.029
14	0.152199	3.524384	3.9	1.026
15	0.156036	3.281637	3.7	1.024
16	0.166180	3.128549	3.5	1.022
17	0.170531	3.023229	3.3	1.020
18	0.173908	2.946349	3.2	1.019
19	0.176605	2.887763	3.1	1.018
20	0.178809	2.841638	3.0	1.017
21	0.180644	2.804331	2.9	1.016
22	0.182194	2.773658	2.8	1.015

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
12	0.012884	61.08.009092	72.34.4	.999
13	0.037693	99.81.0601	25.3.3	.407
14	0.060096	27.31.7994	69.3.3	.248
15	0.078813	14.59.7160	33.3.3	.175
16	0.094321	10.09.0877	21.3.3	.134
17	0.107263	7.90.8310	15.3.3	.107
18	0.118133	6.65.0503	11.3.3	.089
19	0.127501	5.84.348	9.8.8	.076
20	0.135536	5.28.1699	8.4.4	.066
21	0.142531	4.87.2232	7.4.4	.058
22	0.154107	4.31.5663	6.0.0	.047
23	0.163289	3.95.6159	5.3.3	.039
24	0.170747	3.70.5305	4.5.5	.033
25	0.176924	3.52.0496	4.1.1	.029
26	0.182122	3.37.8759	3.8.8	.026
27	0.192111	3.13.6468	3.3.3	.020
28	0.199226	2.98.3355	3.0.0	.017
29	0.204647	2.87.8244	2.7.7	.014
30	0.208837	2.80.1337	2.6.6	.013
35	0.212193	2.74.2701	2.4.4	.011
40	0.214942	2.69.514	2.3.3	.010
45	0.217235	2.65.9193	2.3.3	.009
50	0.219176	2.62.8407	2.2.2	.009

CONFIDENCE LEVEL=.99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
14	0.0135625	61.44.357078	72.99.9	.999
15	0.0436918	99.81.5818	25.7.7	.407
16	0.0687778	27.18.3855	70.7.0	.249
17	0.0897066	14.46.6148	34.3.3	.176
18	0.107075	9.96.6483	21.3.3	.135
19	0.121611	7.73.3639	15.3.3	.108
20	0.133913	6.53.4018	12.1.1	.090
21	0.144442	5.72.7345	9.3.3	.077
22	0.153548	5.16.8924	8.3.3	.067
23	0.161498	4.76.0549	7.4.4	.059
24	0.174704	4.20.5356	6.0.0	.047
25	0.1835229	3.84.6608	5.1.1	.039
26	0.1938133	3.59.6174	4.5.5	.034
27	0.200947	3.41.1593	4.1.1	.029
28	0.206971	3.26.9967	3.8.8	.026
29	0.2186000	3.02.7701	3.3.3	.020
30	0.226976	2.87.4641	3.0.0	.017
35	0.233297	2.76.9180	2.7.7	.014
40	0.238237	2.69.2096	2.6.6	.012
45	0.242206	2.63.3291	2.4.4	.011
50	0.245463	2.58.6349	2.3.3	.010
55	0.248186	2.54.9486	2.3.3	.009
60	0.250495	2.51.8572	2.2.2	.009

CONFIDENCE LEVEL=.99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.017958	6171.768967	7400.4	1.999
17	0.048656	99.8179223	262.3	1.408
18	0.075909	27.081249	72.0	1.250
19	0.098645	14.365965	35.1	1.177
20	0.117552	9.871263	22.0	1.136
21	0.133415	7.696911	15.8	1.109
22	0.146876	6.444613	12.3	1.091
23	0.158429	5.639700	10.1	1.078
24	0.168446	5.082146	8.6	1.067
25	0.177213	4.674510	7.5	1.060
26	0.191838	4.120198	6.1	1.048
27	0.203522	3.720187	5.2	1.040
28	0.213095	3.511628	4.6	1.034
29	0.221077	3.327099	4.1	1.030
30	0.227837	3.185452	3.8	1.026
31	0.234093	3.043978	3.5	1.020
32	0.235042	2.978964	3.3	1.017
33	0.235760	2.683904	2.9	1.014
34	0.236323	2.606365	2.7	1.012
35	0.236775	2.547530	2.4	1.011
36	0.237150	2.500984	2.3	1.010
37	0.237463	2.463338	2.2	1.009
38	0.237728	2.432261	2.1	1.008

CONFIDENCE LEVEL=.99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
13	0.019945	6193.177349	7509.9	1.999
14	0.052801	99.818515	266.7	1.409
15	0.081842	27.000266	73.3	1.254
16	0.106082	14.286897	35.7	1.178
17	0.126277	9.796041	22.4	1.137
18	0.143260	7.624367	16.0	1.109
19	0.157706	6.373825	12.5	1.092
20	0.170133	5.570070	10.2	1.078
21	0.180934	5.013288	8.7	1.068
22	0.190407	4.606170	7.6	1.060
23	0.206244	4.052421	6.1	1.048
24	0.218965	3.694336	5.2	1.040
25	0.229411	3.444137	4.6	1.034
26	0.238147	3.259562	4.2	1.030
27	0.245564	3.117817	3.8	1.026
28	0.251992	2.875009	3.5	1.020
29	0.257043	2.721318	3.3	1.017
30	0.261843	2.615250	2.9	1.014
31	0.268473	2.537616	2.7	1.012
32	0.273973	2.478321	2.4	1.011
33	0.279396	2.431544	2.3	1.010
34	0.284666	2.393696	2.2	1.009
35	0.290044	2.362439	2.1	1.008

CONFIDENCE LEVEL=.99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
20				
1	0.0221648	0.360348	7618.6	1.999
2	0.0563003	99.818350	270.9	1.409
3	0.086841	26.934742	74.4	1.251
4	0.1123300	14.223919	36.3	1.179
5	0.1336390	9.725123	22.7	1.138
6	0.151577	7.565561	16.3	1.111
7	0.166869	6.316386	12.6	1.093
8	0.180051	5.513516	10.3	1.079
9	0.191531	4.957300	8.8	1.069
10	0.201618	4.550563	7.7	1.061
12	0.218529	3.997200	6.2	1.049
14	0.232215	3.639209	5.3	1.041
16	0.243377	3.388976	4.6	1.035
18	0.252785	3.204298	4.2	1.030
20	0.260793	3.062414	3.8	1.027
25	0.276419	2.819207	3.3	1.021
30	0.287328	2.665322	3.0	1.017
35	0.296531	2.558699	2.7	1.014
40	0.303393	2.480752	2.5	1.012
45	0.308945	2.421182	2.3	1.011
50	0.313330	2.374165	2.2	1.010
55	0.317331	2.336105	2.2	1.009
60	0.320662	2.304661	2.1	1.008

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
25				
1	0.024978	0.412052	7863.0	2.000
2	0.063035	99.816674	279.7	1.410
3	0.096430	26.815167	76.8	1.253
4	0.124379	14.106135	37.4	1.181
5	0.147789	9.623798	23.4	1.139
6	0.167597	7.457953	16.8	1.111
7	0.184535	6.211133	13.0	1.094
8	0.199335	5.409748	10.6	1.081
9	0.212071	4.854464	9.0	1.070
10	0.223395	4.448273	7.9	1.062
12	0.242478	3.895366	6.4	1.050
14	0.257937	3.537353	5.4	1.042
16	0.270782	3.286866	4.7	1.036
18	0.281592	3.101819	4.3	1.031
20	0.290835	2.959514	3.9	1.027
25	0.309003	2.715214	3.3	1.021
30	0.322387	2.560109	3.0	1.017
35	0.332668	2.452782	2.7	1.014
40	0.340823	2.374045	2.5	1.012
45	0.347455	2.313787	2.3	1.011
50	0.352930	2.266166	2.2	1.010
55	0.357585	2.227575	2.2	1.009
60	0.361546	2.195661	2.1	1.008

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
30		6262	8068	2.000
1	0.027391	2.200733	86.7	2.411
2	0.067838	99.814620	236.7	1.411
3	0.103258	26.734303	78.7	1.254
4	0.132955	14.027123	38.3	1.182
5	0.157898	9.548375	24.0	1.141
6	0.179071	7.384934	17.2	1.114
7	0.197255	6.139603	13.3	1.096
8	0.213046	5.339112	10.9	1.082
9	0.226895	4.784347	9.2	1.072
10	0.239148	4.378432	8.1	1.063
11	0.250882	3.825641	6.5	1.051
12	0.276736	3.467433	5.5	1.043
13	0.290856	3.216605	4.8	1.037
14	0.302766	3.051152	4.3	1.032
15	0.312988	2.888415	4.0	1.028
16	0.323319	2.643049	3.3	1.022
17	0.334313	2.436974	3.0	1.017
18	0.339771	2.378796	2.7	1.015
19	0.369004	2.299317	2.5	1.012
20	0.376543	2.238411	2.4	1.011
21	0.382817	2.190223	2.3	1.010
22	0.388123	2.151131	2.2	1.009
23	0.392669	2.118773	2.1	1.008

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
35		6277	8234	2.000
1	0.029213	99.0922386	292.3	1.411
2	0.071428	26.812720	80.2	1.254
3	0.108356	13.675992	39.4	1.183
4	0.139365	9.970121	24.4	1.141
5	0.165467	7.493907	17.5	1.115
6	0.187677	6.332140	13.6	1.096
7	0.206799	5.087821	11.1	1.083
8	0.223445	4.287917	9.4	1.072
9	0.238079	3.733470	8.2	1.064
10	0.251057	3.327697	6.6	1.052
11	0.273083	3.774880	5.6	1.044
12	0.291117	3.416427	4.9	1.037
13	0.306180	3.165254	4.4	1.032
14	0.318974	2.979413	4.0	1.028
15	0.329988	2.836277	3.4	1.022
16	0.351865	2.589938	3.0	1.018
17	0.368188	2.432987	2.7	1.015
18	0.380866	2.24040	2.5	1.013
19	0.391012	2.243890	2.4	1.011
20	0.399326	2.182366	2.3	1.010
21	0.406267	2.133690	2.2	1.009
22	0.412152	2.094140	2.1	1.008
23	0.417209	2.061373	2.0	1.008

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
40	0.030633	6288.284367	8370.7	2.000
1	0.074208	99.811069	296.8	2.412
2	0.112304	26.631961	81.4	2.255
3	0.144351	13.927062	39.7	2.183
4	0.171340	9.452729	24.8	2.142
5	0.194365	7.292191	17.7	2.116
6	0.214228	6.048601	13.8	2.094
7	0.231553	5.249107	11.3	2.081
8	0.246812	4.694865	9.5	2.075
9	0.260368	4.289165	8.3	2.065
10	0.283438	3.736261	6.7	2.055
11	0.302383	3.377558	5.7	2.044
12	0.318237	3.126062	5.0	2.038
13	0.331776	2.939869	4.5	2.033
14	0.343445	2.796373	4.1	2.028
15	0.366711	2.549168	3.4	2.022
16	0.384157	2.391438	3.0	2.017
17	0.397763	2.291305	2.7	2.015
18	0.408691	2.201054	2.5	2.013
19	0.417674	2.139031	2.4	2.011
20	0.425194	2.089859	2.3	2.010
25	0.431585	2.049894	2.2	2.009
30	0.437088	2.016757	2.1	2.008

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
45	0.031771	6297.002951	8484.4	2.000
1	0.076424	99.809636	300.6	2.412
2	0.115448	26.597540	82.4	2.255
3	0.148291	13.893391	40.2	2.183
4	0.176027	9.420507	25.5	2.142
5	0.199709	7.260908	18.8	2.116
6	0.220172	6.017867	13.9	2.094
7	0.238047	5.218670	11.4	2.081
8	0.253815	4.664566	9.7	2.074
9	0.267845	4.258902	8.4	2.065
10	0.291770	3.705887	6.8	2.055
11	0.311471	3.346947	5.7	2.045
12	0.328018	3.095157	5.0	2.038
13	0.342143	2.908649	4.5	2.033
14	0.354361	2.764834	4.1	2.028
15	0.378801	2.516862	3.4	2.022
16	0.397204	2.358441	3.0	2.017
17	0.411609	2.248199	2.7	2.015
18	0.423215	2.166911	2.5	2.013
19	0.432780	2.104414	2.4	2.011
20	0.440807	2.054821	2.3	2.010
25	0.447645	2.014482	2.2	2.009
30	0.453542	1.981010	2.1	2.008

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
50	0.032701	03.986479	8579.7	2.000
1	0.078230	99.808447	303.7	1.412
2	0.118011	26.569896	83.3	1.256
3	0.151521	13.866339	40.6	1.184
4	0.179853	9.394606	25.4	1.143
5	0.204076	7.235749	18.2	1.117
6	0.225033	5.993133	14.1	1.098
7	0.243365	5.194161	11.5	1.085
8	0.259556	4.640153	9.8	1.074
9	0.273980	4.234502	8.5	1.066
10	0.298620	3.681370	6.9	1.054
11	0.318955	3.322210	5.8	1.045
12	0.336071	3.070156	5.1	1.035
13	0.350709	2.833357	4.6	1.034
14	0.363394	2.739269	4.2	1.030
15	0.388838	2.490618	3.5	1.023
16	0.408068	2.331584	3.1	1.016
17	0.423167	2.220799	2.8	1.013
18	0.435366	2.139031	2.6	1.010
19	0.445443	2.076109	2.4	1.007
20	0.455518	2.026133	2.3	1.006
21	0.461151	1.985461	2.2	1.009
22	0.467400	1.951684	2.1	1.008

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
55	0.033476	309.705964	8661.5	2.000
1	0.079730	99.807408	306.5	1.412
2	0.120140	26.547206	84.0	1.256
3	0.154204	13.844132	40.9	1.185
4	0.183035	9.373334	25.6	1.144
5	0.207711	7.215074	18.3	1.117
6	0.229084	5.972799	14.2	1.099
7	0.247799	5.174001	11.6	1.085
8	0.264347	4.620062	9.9	1.075
9	0.279104	4.214412	8.6	1.066
10	0.304351	3.661162	6.9	1.054
11	0.325225	3.301802	5.9	1.045
12	0.342827	3.049512	5.1	1.039
13	0.357906	2.862473	4.6	1.034
14	0.370993	2.718123	4.2	1.030
15	0.397307	2.468869	3.5	1.023
16	0.417257	2.309290	3.1	1.019
17	0.432965	2.198019	2.8	1.016
18	0.445686	2.115821	2.6	1.014
19	0.456217	2.052517	2.4	1.012
20	0.465091	2.002204	2.3	1.010
21	0.472677	1.961220	2.2	1.009
22	0.479241	1.927166	2.1	1.008

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
60	0.034131	6314.476115	8732.6	2.000
55	0.080995	99.8065508	308.6	1.412
50	0.121935	26.528250	84.6	1.256
45	0.156470	13.825574	41.2	1.185
40	0.185722	9.355551	25.8	1.144
35	0.210763	7.197785	18.5	1.118
30	0.232509	5.955786	14.3	1.099
25	0.251552	5.157126	11.7	1.085
20	0.268405	4.603238	9.9	1.075
15	0.283447	4.197582	8.7	1.067
10	0.309215	3.644219	7.0	1.054
5	0.330555	3.284677	5.9	1.046
1	0.348576	3.032175	5.2	1.039
	0.364037	2.844913	4.6	1.035
	0.377474	2.700338	4.2	1.031
	0.404548	2.450546	3.5	1.024
	0.425132	2.290479	3.1	1.019
	0.441577	2.178772	2.8	1.016
	0.454562	2.096188	2.6	1.014
	0.465499	2.032538	2.4	1.012
	0.474729	1.981916	2.3	1.011
	0.482633	1.940652	2.2	1.009
	0.489481	1.906347	2.1	1.009

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.0	0.722709	*	2.000
2	0.0	0.501253	*	1.417
3	0.0	0.351957	*	1.269
4	0.0	0.332772	*	1.207
5	0.0	0.784781	*	1.173
6	0.0	0.624996	*	1.133
7	0.0	0.235558	*	1.099
8	0.0	0.688199	*	1.000
9	0.0	0.613609	*	1.023
10	0.0	0.826470	*	1.074
12	0.0	0.734230	*	1.009
14	0.0	0.060253	*	1.004
16	0.0	0.575458	*	1.000
18	0.0	0.218097	*	0.997
20	0.0	0.943935	*	0.995
25	0.0	0.475312	*	0.991
30	0.0	0.179617	*	0.988
35	0.0	0.976295	*	0.986
40	0.0	0.827839	*	0.985
45	0.0	0.714771	*	0.984
50	0.0	0.625758	*	0.983
55	0.0	0.555376	*	0.983
60	0.0	0.494617	*	0.982

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.0	0.499960	*	3.000
3	0.000000	0.004792	4.735.2	1.417
4	0.000000	0.806583	4.631.5	1.269
5	0.000000	0.293549	5.224.0	1.207
6	0.000000	0.324812	5.524.8	1.173
7	0.000000	0.556496	7.57.8	1.133
8	0.000000	0.17542	4.71.7	1.099
9	0.000000	0.057007	3.34.1	1.000
10	0.000000	0.122169	2.57.6	1.023
12	0.000000	0.445157	2.09.6	1.009
14	0.000000	0.527040	7.77.5	1.004
16	0.000000	0.999992	3.8.5	0.997
18	0.000000	0.532925	5.5.7	0.995
20	0.000000	0.234552	9.0.9	0.991
25	0.000000	0.005688	83.3	0.988
30	0.000000	0.619381	7.7.7	0.986
35	0.000000	0.376543	64.7	0.985
40	0.000000	0.210191	60.7	0.984
45	0.000000	0.089153	60.7	0.983
50	0.000000	0.997166	54.5	0.983
55	0.000000	0.524893	52.6	0.983
60	0.000000	0.866619	51.2	0.982
65	0.000000	0.813639	50.0	0.981

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
3	0.000005	21614.963419	194551.5	.999
4	0.000128	199.272973	1879.1	.409
5	0.000416	47.560806	346.6	.252
6	0.000778	24.350458	141.1	.188
7	0.001150	16.621237	80.4	.142
8	0.001502	13.008806	54.6	.118
9	0.001825	10.975504	43.3	.100
10	0.002116	9.690348	38.0	.090
11	0.002377	8.811663	33.4	.081
12	0.002610	8.176003	29.8	.074
13	0.002807	7.722087	26.7	.067
14	0.003007	7.322497	24.1	.064
15	0.003299	6.977497	21.9	.057
16	0.003594	6.690174	20.0	.053
18	0.003816	6.126072	18.8	.049
20	0.004004	5.916425	17.2	.046
25	0.004366	5.328737	15.0	.038
30	0.004626	5.186370	13.6	.036
35	0.004831	5.076488	12.1	.034
40	0.004979	4.992684	11.0	.033
45	0.005095	4.926899	10.0	.033
50	0.005195	4.873393	9.0	.033
55	0.005278	4.830275	8.4	.033
60	0.005348		8.2	.033

CONFIDENCE LEVEL=.995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
4	0.000123	22500.420349	53762.4	.999
5	0.000293	199.499999	799.0	.407
6	0.000475	46.380309	69.3	.248
7	0.000633	23.320401	43.6	.176
8	0.000782	16.713119	33.5	.136
9	0.000907	13.798337	28.0	.109
10	0.000997	11.99392	24.2	.094
11	0.010158	10.952582	21.0	.082
12	0.011106	10.101938	18.8	.074
13	0.011936	9.487300	17.2	.068
14	0.012316	8.966462	16.0	.064
15	0.012440	8.514084	15.0	.059
16	0.012529	8.177949	14.1	.055
18	0.012602	7.515681	12.1	.048
20	0.012663	7.148329	11.0	.044
25	0.012780	6.974728	9.0	.037
30	0.012863	6.762350	8.4	.033
35	0.012924	6.617286	8.2	.032
40	0.012972	6.511948	8.0	.031
45	0.013010	6.432208	7.9	.031
50	0.013040	6.369280	7.8	.031
55	0.013066	6.318751	7.7	.031
60	0.013080	6.277180	7.7	.031

CONFIDENCE LEVEL=.995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.000592	0.279255	31.32.3	0.999
10	0.003838	0.652546	31.32.3	0.406
15	0.007839	0.633677	31.32.3	0.247
20	0.011697	0.663535	31.32.3	0.174
25	0.015029	0.130555	31.32.3	0.133
30	0.017886	0.645494	31.32.3	0.088
35	0.020329	0.697981	31.32.3	0.060
40	0.022426	0.473611	31.32.3	0.078
45	0.024237	0.639916	31.32.3	0.069
50	0.025813	0.038752	31.32.3	0.061
55	0.028411	0.234033	31.32.3	0.051
60	0.030456	0.722701	31.32.3	0.044
65	0.032105	0.370288	31.32.3	0.039
70	0.033445	0.113173	31.32.3	0.035
75	0.034599	0.917532	31.32.3	0.032
80	0.036742	0.586471	31.32.3	0.027
85	0.039261	0.379888	31.32.3	0.024
90	0.039390	0.238828	31.32.3	0.023
95	0.040262	0.136436	31.32.3	0.020
100	0.040954	0.058749	31.32.3	0.019
105	0.041518	0.997800	31.32.3	0.018
110	0.041936	0.948709	31.32.3	0.017
115	0.042331	0.908327	31.32.3	0.017

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.001472	0.841185	23.76.3	0.939
10	0.007433	0.746974	23.76.3	0.406
15	0.014033	0.110033	23.76.3	0.247
20	0.020018	0.200133	23.76.3	0.174
25	0.025124	0.713371	23.76.3	0.133
30	0.029448	0.261582	23.76.3	0.088
35	0.033111	0.342144	23.76.3	0.060
40	0.036255	0.132341	23.76.3	0.078
45	0.038956	0.111111	23.76.3	0.069
50	0.041330	0.713371	23.76.3	0.061
55	0.045135	0.926930	23.76.3	0.051
60	0.048193	0.423365	23.76.3	0.044
65	0.050637	0.076892	23.76.3	0.039
70	0.052645	0.822431	23.76.3	0.035
75	0.054323	0.692018	23.76.3	0.027
80	0.057512	0.306895	23.76.3	0.024
85	0.059766	0.204089	23.76.3	0.023
90	0.061442	0.965637	23.76.3	0.020
95	0.062736	0.865151	23.76.3	0.019
100	0.063766	0.788918	23.76.3	0.018
105	0.064605	0.722911	23.76.3	0.017
110	0.065300	0.680946	23.76.3	0.017
115	0.065837	0.641325	23.76.3	0.017

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.002664	0.874344	20549.8	0.999
12	0.011435	199.804905	446.33	0.407
14	0.020578	44.720608	105.12	0.247
15	0.023604	21.857858	47.88	0.174
16	0.035399	14.413047	32.88	0.133
17	0.041123	10.984951	23.00	0.086
18	0.045968	9.075570	17.55	0.059
19	0.050102	7.878047	14.22	0.076
20	0.053661	7.064095	12.00	0.066
21	0.056730	6.477975	9.33	0.059
22	0.061837	5.694538	7.55	0.048
24	0.065843	5.197440	6.47	0.040
26	0.069907	4.855167	5.77	0.035
28	0.071729	4.603618	5.33	0.031
30	0.073931	4.415826	4.93	0.028
32	0.078182	4.094831	4.47	0.023
35	0.081178	3.894627	3.77	0.020
40	0.083430	3.579660	3.33	0.017
45	0.085136	3.658770	3.33	0.016
50	0.086510	3.583521	3.33	0.015
55	0.087630	3.524487	3.00	0.014
55	0.088560	3.476941	2.93	0.013
60	0.089345	3.437829	2.93	0.012

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
8	0.004032	23927.932542	13938.4	0.999
12	0.015505	199.840875	428.6	0.407
14	0.026965	44.418560	102.1	0.248
15	0.036834	21.459221	46.33	0.174
16	0.045233	14.475000	32.80	0.133
17	0.052231	10.765247	23.96	0.087
18	0.058190	8.868069	17.50	0.059
19	0.063238	7.679083	14.22	0.076
20	0.067613	6.871372	12.00	0.066
21	0.071477	6.289978	9.33	0.058
22	0.077672	5.512169	7.55	0.047
24	0.082608	5.020455	6.47	0.040
26	0.086595	4.681272	5.77	0.034
28	0.089930	4.434005	5.33	0.030
30	0.092633	4.245962	4.93	0.027
32	0.097885	3.927938	4.47	0.022
35	0.101615	3.729584	3.77	0.019
40	0.104399	3.594172	3.33	0.016
45	0.106555	3.495987	3.33	0.015
50	0.108227	3.421320	3.00	0.014
55	0.109677	3.362816	2.93	0.013
55	0.111084	3.315695	2.93	0.012
60	0.111182	3.276931	2.71	0.011

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

9 DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.0005468	0.668129	18088.7	0.999
2	0.0194299	0.8633551	421.0	0.408
3	0.0322933	0.9377384	100.8	0.248
4	0.0446222	0.978352	46.0	0.175
5	0.054374	0.9934751	27.7	0.133
6	0.062576	0.999446	19.4	0.107
7	0.069518	0.999841	14.8	0.099
8	0.075450	0.9999525	12.0	0.076
9	0.080566	0.999966	10.0	0.066
10	0.085017	0.999972	8.8	0.058
11	0.089237	0.999977	7.7	0.047
12	0.093187	0.999981	6.0	0.040
13	0.096897	0.999984	5.5	0.034
14	0.100283	0.999987	4.8	0.030
15	0.103373	0.999989	4.4	0.027
16	0.106190	0.999990	4.0	0.021
17	0.108753	0.999991	3.8	0.018
18	0.111077	0.999992	3.6	0.016
19	0.113173	0.999993	3.5	0.014
20	0.115056	0.999994	3.0	0.013
21	0.116737	0.999994	2.8	0.012
22	0.118228	0.999995	2.7	0.011
23	0.119538	0.999995	2.6	0.010
24	0.120770	0.999996	2.5	0.010
25	0.121936	0.999996	2.4	0.010
26	0.123038	0.999997	2.3	0.010
27	0.124077	0.999997	2.2	0.010
28	0.125056	0.999998	2.1	0.010
29	0.125977	0.999998	2.0	0.010
30	0.126842	0.999999	1.9	0.010
31	0.127653	0.999999	1.8	0.010
32	0.128411	0.999999	1.7	0.010
33	0.129117	0.999999	1.6	0.010
34	0.129772	0.999999	1.5	0.010
35	0.130377	0.999999	1.4	0.010
36	0.130932	0.999999	1.3	0.010
37	0.131447	0.999999	1.2	0.010
38	0.131922	0.999999	1.1	0.010
39	0.132357	0.999999	1.0	0.010
40	0.132752	0.999999	0.9	0.010
41	0.133107	0.999999	0.8	0.010
42	0.133422	0.999999	0.7	0.010
43	0.133697	0.999999	0.6	0.010
44	0.133932	0.999999	0.5	0.010
45	0.134127	0.999999	0.4	0.010
46	0.134282	0.999999	0.3	0.010
47	0.134397	0.999999	0.2	0.010
48	0.134472	0.999999	0.1	0.010
49	0.134507	0.999999	0.1	0.010
50	0.134502	0.999999	0.1	0.010

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

10 DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.006901	0.335504	17629.5	0.999
2	0.023114	0.878014	418.0	0.408
3	0.038544	0.930331	100.8	0.248
4	0.051772	0.964450	45.9	0.175
5	0.062030	0.982936	27.7	0.133
6	0.070030	0.990536	19.4	0.107
7	0.075899	0.995661	14.8	0.099
8	0.080666	0.998661	12.0	0.076
9	0.084429	0.999673	10.0	0.066
10	0.087145	0.999945	8.8	0.058
11	0.089745	0.999977	7.7	0.047
12	0.092251	0.999981	6.0	0.040
13	0.094679	0.999984	5.5	0.034
14	0.096931	0.999987	4.8	0.030
15	0.099012	0.999989	4.4	0.027
16	0.100937	0.999990	4.0	0.021
17	0.102711	0.999991	3.8	0.018
18	0.104348	0.999992	3.6	0.016
19	0.105843	0.999993	3.5	0.014
20	0.107203	0.999994	3.0	0.013
21	0.108433	0.999995	2.8	0.012
22	0.109537	0.999996	2.7	0.011
23	0.110520	0.999997	2.6	0.010
24	0.111387	0.999998	2.5	0.010
25	0.112143	0.999999	2.4	0.010
26	0.112793	0.999999	2.3	0.010
27	0.113341	0.999999	2.2	0.010
28	0.113793	0.999999	2.1	0.010
29	0.114153	0.999999	2.0	0.010
30	0.114425	0.999999	1.9	0.010
31	0.114613	0.999999	1.8	0.010
32	0.114721	0.999999	1.7	0.010
33	0.114753	0.999999	1.6	0.010
34	0.114713	0.999999	1.5	0.010
35	0.114607	0.999999	1.4	0.010
36	0.114439	0.999999	1.3	0.010
37	0.114215	0.999999	1.2	0.010
38	0.113940	0.999999	1.1	0.010
39	0.113619	0.999999	1.0	0.010
40	0.113257	0.999999	0.9	0.010
41	0.112859	0.999999	0.8	0.010
42	0.112430	0.999999	0.7	0.010
43	0.111975	0.999999	0.6	0.010
44	0.111499	0.999999	0.5	0.010
45	0.110997	0.999999	0.4	0.010
46	0.110474	0.999999	0.3	0.010
47	0.109934	0.999999	0.2	0.010
48	0.109382	0.999999	0.1	0.010
49	0.108814	0.999999	0.1	0.010
50	0.108235	0.999999	0.1	0.010

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
12	0.0009612	24429.191539	17294.1	.999
1	0.029663	199.893192	419.3	.409
2	0.048276	43.677685	101.2	.250
3	0.064072	20.937381	46.2	.177
4	0.077313	13.589999	27.8	.135
5	0.088462	10.223997	19.4	.109
6	0.097936	8.355666	14.8	.090
7	0.106035	7.186676	11.9	.077
8	0.113107	6.393428	10.1	.067
9	0.119261	5.822896	8.7	.059
10	0.124992	5.4061080	7.0	.047
11	0.129492	5.073076	5.9	.040
12	0.133644	4.803179	5.2	.034
13	0.137494	4.5813779	4.7	.030
14	0.140981	4.39779	4.3	.026
15	0.144173	4.24753	3.6	.022
16	0.147090	4.11974	3.2	.017
17	0.149760	4.0178894	3.0	.015
18	0.152151	3.932333	2.8	.013
19	0.154315	3.858849	2.6	.012
20	0.156283	3.7951242	2.5	.011
21	0.158061	3.740319	2.4	.010
22	0.159662	3.686613	2.4	.009

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
14	0.0112024	24574.606753	17306.0	2.000
1	0.0351177	199.893192	424.7	.409
2	0.0565555	43.677685	102.7	.250
3	0.0742995	20.937381	46.8	.178
4	0.0893499	13.589999	28.2	.136
5	0.1020355	10.223997	19.6	.110
6	0.1128882	8.355666	14.9	.091
7	0.1212993	7.186676	12.1	.078
8	0.127294	6.393428	10.1	.067
9	0.1320387	5.822896	8.8	.060
10	0.1358704	5.4061080	7.0	.048
11	0.1389213	5.073076	5.9	.040
12	0.141363	4.803179	5.2	.034
13	0.1432931	4.5813779	4.7	.030
14	0.1447406	4.39779	4.3	.026
15	0.1458006	4.24753	3.6	.022
16	0.1464665	4.11974	3.2	.017
17	0.1467959	4.0178894	3.0	.015
18	0.1468995	3.932333	2.8	.013
19	0.1467444	3.858849	2.6	.012
20	0.1463642	3.7951242	2.5	.011
21	0.145749	3.740319	2.4	.010
22	0.1448277	3.686613	2.4	.009

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.0014124	24684.2933764	17463.32	2.000
17	0.0039797	199.9000830	431.33	2.410
18	0.0063087	143.287208	104.33	2.52
19	0.0082797	100.592740	47.66	2.79
20	0.0099363	79.280761	28.66	2.7
21	0.0113378	61.936960	19.9	2.5
22	0.0125351	48.083057	15.1	2.092
23	0.0135568	36.923910	12.3	2.7
24	0.0144431	27.6668	10.2	2.68
25	0.0152158	20.72271	8.9	2.60
26	0.0158824	15.7345	7.7	2.48
27	0.016468	11.3855	6.9	2.40
28	0.0169852	8.8899	6.3	2.34
29	0.0174529	6.768387	5.8	2.307
30	0.0178875	5.3332	5.4	2.2
31	0.0182951	4.275286	5.1	2.14
32	0.0186738	3.54904	4.9	2.0
33	0.0190246	3.02506	4.7	2.0
34	0.0193537	2.679256	4.5	2.0
35	0.0196660	2.41708	4.4	2.0
36	0.0199621	2.23301	4.3	2.0
37	0.0202435	2.1083	4.3	2.08

CONFIDENCE LEVEL=.995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
18	0.0015943	24769.977525	17679.3	2.000
19	0.0043705	199.900594	438.1	2.410
20	0.0068746	143.154027	106.00	2.52
21	0.0089938	100.475142	48.33	2.80
22	0.0107780	79.175070	33.00	2.88
23	0.0122907	61.838676	20.2	2.5
24	0.0135862	47.989543	15.3	2.099
25	0.0147065	36.833512	12.4	2.7
26	0.0156846	27.049637	10.4	2.6
27	0.0165458	20.485864	9.0	2.49
28	0.0172922	15.733070	7.7	2.49
29	0.0179159	11.255577	6.9	2.4
30	0.0184230	8.36659	6.3	2.35
31	0.0189293	6.86643	5.8	2.30
32	0.0194164	5.63908	5.4	2.27
33	0.0198957	4.754247	5.1	2.2
34	0.0203635	4.000540	4.9	2.17
35	0.020817	3.567947	4.7	2.14
36	0.0212693	3.271493	4.5	2.12
37	0.0217143	3.08346	4.4	2.0
38	0.0221536	2.940304	4.3	2.0
39	0.0225883	2.834004	4.3	2.0
40	0.0230195	2.755698	4.3	2.08

CONFIDENCE LEVEL=.995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
20	0.017522	0.744925	1.7907.3	2.000
21	0.047035	0.899433	1.444.6	2.411
22	0.073551	0.046399	1.007.6	2.253
23	0.096001	0.380078	1.49.1	2.180
24	0.114931	0.089558	1.29.4	2.339
25	0.131014	0.759082	2.20.5	2.222
26	0.144815	0.913740	1.15.5	2.094
27	0.156775	0.760349	1.22.5	2.080
28	0.167240	0.978132	0.00.5	2.070
29	0.176470	0.415637	9.1	2.061
30	0.182015	0.664469	7.2	2.049
31	0.192013	0.187905	6.0	2.041
32	0.204603	0.859538	5.3	2.035
33	0.215012	0.619851	4.7	2.031
34	0.223766	0.437310	4.3	2.027
35	0.231234	0.634079	3.6	2.021
36	0.234586	0.801377	3.3	2.014
37	0.235657	0.704779	2.7	2.012
38	0.237125	0.631304	2.5	2.010
39	0.238083	0.573529	2.4	2.009
40	0.238448	0.526902	2.3	2.009
41	0.238759	0.488479	2.2	2.008

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
25	0.020653	0.044533	1.8462.3	2.000
26	0.053504	0.833239	1.459.1	2.411
27	0.082855	0.850266	1.11.1	2.254
28	0.107736	0.206748	1.00.6	2.182
29	0.128794	0.932464	1.300.4	2.140
30	0.146753	0.613605	1.12.1	2.094
31	0.162239	0.775012	1.06.0	2.095
32	0.175714	0.626200	1.22.9	2.080
33	0.183755	0.846963	0.00.3	2.071
34	0.198034	0.528664	9.3	2.063
35	0.215786	0.538183	7.4	2.051
36	0.230260	0.053082	6.2	2.042
37	0.242301	0.735504	5.4	2.036
38	0.252484	0.496223	4.8	2.031
39	0.261211	0.338555	4.3	2.028
40	0.278440	0.004283	3.6	2.021
41	0.291117	0.810154	3.3	2.014
42	0.300999	0.676980	3.0	2.010
43	0.308792	0.579904	2.7	2.007
44	0.315145	0.505974	2.5	2.004
45	0.320432	0.447780	2.4	2.000
46	0.324874	0.400770	2.3	2.000
47	0.328632	0.361996	2.2	2.000

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
30	0.023955	25046.271900	18943.6	2.000
32	0.058167	199.891011	470.9	.422
34	0.089535	42.717818	113.9	.235
36	0.116177	120.089616	55.9	.135
38	0.138783	120.827835	33.6	.083
40	0.153129	9.515012	22.6	.056
42	0.167485	6.680351	16.4	.033
44	0.178946	6.534844	13.0	.022
46	0.187023	5.757669	9.9	.016
48	0.192337	5.198705	7.5	.012
50	0.195320	4.451864	6.0	.009
52	0.196414	3.977553	5.0	.008
54	0.196874	3.650326	4.4	.007
56	0.196833	3.411146	4.0	.006
58	0.196403	3.233754	3.7	.005
60	0.195777	3.106222	3.5	.004
62	0.194983	3.003009	3.4	.004
64	0.194037	2.926366	3.3	.004
66	0.192946	2.873335	3.2	.004
68	0.191750	2.832004	3.1	.004
70	0.190508	2.800327	3.0	.004

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
35	0.024708	25105.895645	19342.4	2.000
37	0.061675	199.887328	480.4	.422
39	0.094556	42.621396	113.6	.235
41	0.122521	120.005180	55.3	.135
43	0.146303	120.733612	33.9	.083
45	0.166705	9.443788	22.7	.056
47	0.184320	6.612752	16.7	.033
49	0.199987	6.468769	13.4	.022
51	0.211334	6.692945	9.9	.016
53	0.222572	6.134396	7.5	.012
55	0.224649	5.329099	6.0	.009
57	0.226359	4.589135	5.0	.008
59	0.227793	3.989150	4.4	.007
61	0.229016	3.489500	4.0	.006
63	0.230072	3.166441	3.7	.005
65	0.232178	2.855914	3.5	.004
67	0.233375	2.660624	3.3	.004
69	0.234985	2.526287	3.2	.004
71	0.235973	2.423198	3.1	.004
73	0.237460	2.394202	3.0	.004
75	0.238035	2.46279	2.9	.004
77	0.238529	2.206771	2.8	.004

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
40	0.026084	0.708994	1.9676.3	2.000
1	0.064404	1.99.884222	488.2	1.412
2	0.098459	42.550389	118.1	1.256
3	0.127457	12.9.941432	53.8	1.184
4	0.152161	12.694021	32.3	1.143
5	0.173397	9.389927	22.4	1.116
6	0.191840	7.561208	17.0	1.098
7	0.208018	6.418714	13.6	1.084
8	0.222336	5.643870	11.4	1.073
9	0.235109	5.086472	9.8	1.065
10	0.256957	4.341390	7.8	1.053
12	0.275000	3.867805	6.5	1.044
14	0.290186	3.540762	5.6	1.038
16	0.303167	3.301465	5.0	1.033
18	0.314407	3.118768	4.4	1.029
20	0.336908	3.007738	3.8	1.023
25	0.353860	2.611868	3.3	1.018
30	0.367127	2.476976	3.0	1.015
35	0.377811	2.378301	2.7	1.013
40	0.386611	2.302914	2.6	1.011
45	0.393991	2.243400	2.4	1.010
50	0.400273	2.195200	2.3	1.009
55	0.405687	2.155351	2.2	1.008
60				

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
45	0.027190	0.820268	1.9959.1	2.000
1	0.066537	1.99.881609	494.7	1.412
2	0.101573	42.494127	119.6	1.256
3	0.131404	12.9.891603	54.3	1.184
4	0.156851	12.648975	32.7	1.143
5	0.178759	9.347771	22.7	1.117
6	0.197818	7.520836	17.2	1.098
7	0.214564	6.379481	13.8	1.084
8	0.229407	5.605578	11.6	1.074
9	0.242669	5.048465	10.0	1.066
10	0.265403	4.303993	7.9	1.053
12	0.284230	3.830474	6.6	1.045
14	0.300116	3.503417	5.7	1.038
16	0.313729	3.264009	5.1	1.034
18	0.325540	3.081145	4.6	1.030
20	0.349226	2.769601	3.8	1.023
25	0.367222	2.573190	3.3	1.018
30	0.381325	2.437785	3.0	1.015
35	0.392720	2.338638	2.7	1.013
40	0.402133	2.262823	2.6	1.011
45	0.410044	2.202823	2.4	1.010
50	0.416794	2.154374	2.3	1.009
55	0.422623	2.114209	2.2	1.008
60				

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
50	0.028098	25213.584797	20201.00	2.0000
1	0.068370	1999.879399	5000.2	1.413
2	0.104126	42.448956	1221.0	1.257
3	0.134631	19.851584	1555.1	1.195
4	0.160637	11.612780	1333.0	1.144
5	0.183151	9.313877	1222.9	1.117
6	0.202720	7.488359	1177.4	1.099
7	0.219936	6.347902	1144.0	1.095
8	0.235217	5.574377	1111.7	1.074
9	0.248887	5.017838	1080.1	1.066
10	0.272365	4.273643	1000.0	1.054
11	0.291849	3.800326	866.6	1.045
12	0.308333	3.473227	666.6	1.039
13	0.322477	3.233699	555.5	1.034
14	0.333477	3.050673	466.6	1.030
15	0.359536	2.738646	333.3	1.023
16	0.378377	2.541738	250.0	1.020
17	0.393209	2.405862	200.0	1.016
18	0.405227	2.306283	166.6	1.012
19	0.415178	2.230077	133.3	1.009
20	0.423362	2.169923	111.1	1.008
21	0.430728	2.120952	100.0	1.008
22	0.436928	2.080495	90.9	1.008

CONFIDENCE LEVEL=.995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
55	0.028857	25236.488065	20407.2	2.000
1	0.069855	1999.877515	5004.9	1.413
2	0.106247	42.448953	1222.1	1.257
3	0.137317	19.851583	1555.6	1.195
4	0.163884	11.612780	1333.4	1.144
5	0.186813	9.313877	1222.2	1.117
6	0.206810	7.488359	1177.7	1.099
7	0.224423	6.347902	1144.4	1.095
8	0.240073	5.574377	1111.8	1.074
9	0.254089	5.017838	1080.0	1.066
10	0.278195	4.273643	1000.0	1.054
11	0.298245	3.800326	866.7	1.046
12	0.315233	3.473227	666.3	1.039
13	0.329884	3.233699	555.2	1.034
14	0.342561	3.050673	466.7	1.030
15	0.368254	2.738646	333.9	1.024
16	0.387832	2.541738	250.4	1.019
17	0.403303	2.379342	200.0	1.016
18	0.415873	2.279370	166.8	1.014
19	0.426302	2.202805	133.6	1.012
20	0.435107	2.142226	111.5	1.010
21	0.442647	2.093060	100.3	1.009
22	0.449180	2.052335	90.2	1.008

CONFIDENCE LEVEL=.995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
60	0.029499	25.55.590350	20.533.6	2.0000
50	0.071109	19.9.875894	508.9	1.413
40	0.108038	42.380935	123.0	1.257
30	0.139587	9.791297	56.1	1.185
20	0.166587	2.558221	33.6	1.144
15	0.189912	9.262756	23.3	1.118
10	0.210274	7.439342	17.7	1.099
8	0.228226	6.300207	14.2	1.086
6	0.244193	5.527525	11.9	1.075
4	0.258505	4.971519	10.3	1.067
3	0.283134	4.227836	8.1	1.055
2	0.303690	3.754615	6.8	1.046
1	0.321116	3.427396	5.9	1.040
0.5	0.336125	3.187633	5.2	1.035
0.2	0.346212	3.004308	4.7	1.031
0.1	0.375703	2.669142	3.9	1.024
0.05	0.395948	2.493648	3.4	1.019
0.02	0.411989	2.336952	3.1	1.015
0.01	0.425047	2.236620	2.8	1.014
0.005	0.435904	2.179720	2.6	1.012
0.002	0.445087	2.141885	2.5	1.011
0.001	0.452962	2.106941	2.4	1.010
0.0005	0.459796	2.08443	2.3	1.009

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.00	0.072384	*	2.000
2	0.00	0.500251	*	1.415
3	0.00	1.670292	*	1.263
4	0.00	7.413739	*	1.197
5	0.00	47.180779	*	1.161
6	0.00	335.507490	*	1.139
7	0.00	239.245193	*	1.124
8	0.00	235.414760	*	1.114
9	0.00	222.857125	*	1.106
10	0.00	222.039595	*	1.101
11	0.00	218.643322	*	1.092
12	0.00	216.714336	*	1.086
13	0.00	216.337930	*	1.082
14	0.00	216.376697	*	1.079
15	0.00	216.293004	*	1.077
16	0.00	216.289633	*	1.070
17	0.00	216.609358	*	1.068
18	0.00	216.395217	*	1.067
19	0.00	216.222106	*	1.066
20	0.00	216.035346	*	1.065
21	0.00	215.972987	*	1.064
22	0.00		*	1.064

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.00	0.501262	*	2.000
3	0.00	0.000001	*	1.414
4	0.00	0.501145	86955.5	1.260
5	0.00	1.247606	15407.3	1.197
6	0.00	7.124690	6714.9	1.161
7	0.00	0.002711	3689.0	1.139
8	0.00	0.691994	2402.3	1.124
9	0.00	0.496638	1711.3	1.114
10	0.00	0.390677	1315.5	1.106
11	0.00	0.309084	1068.3	1.092
12	0.00	0.277761	771.9	1.086
13	0.00	0.278324	613.6	1.082
14	0.00	0.275602	515.7	1.079
15	0.00	0.294712	448.4	1.077
16	0.00	0.357588	401.5	1.070
17	0.00	0.227792	338.6	1.068
18	0.00	0.778907	337.2	1.067
19	0.00	0.475362	260.7	1.066
20	0.00	0.256359	242.7	1.065
21	0.00	0.091431	229.4	1.064
22	0.00	0.962415	219.4	1.064
23	0.00	0.858847	211.3	1.064
24	0.00	0.773394	204.8	1.064

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
3	0.0	540379.303234	#	2.000
4	0.000011	999.238016	14004.6	1.413
5	0.000049	141.163960	1709.3	1.257
6	0.000103	56.223689	560.3	1.186
7	0.000173	33.253855	278.5	1.147
8	0.000241	23.753556	220.0	1.122
9	0.000307	18.823724	20.8	1.105
10	0.000370	15.880282	92.2	1.093
11	0.000429	13.952970	74.4	1.084
12	0.000483	12.604285	62.6	1.077
13	0.000578	10.856426	48.1	1.067
14	0.000659	9.782165	39.7	1.060
15	0.000727	9.059218	34.3	1.053
16	0.000786	8.541159	30.6	1.051
17	0.000836	8.152404	27.9	1.048
18	0.000936	7.505750	23.6	1.043
19	0.001010	7.109391	21.0	1.040
20	0.001066	6.842442	19.4	1.037
25	0.001110	6.650274	18.2	1.036
30	0.001146	6.503471	17.4	1.034
35	0.001175	6.392477	16.7	1.033
40	0.001200	6.301363	16.2	1.032
50	0.001221	6.227390	15.8	1.032

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
4	0.0	562499.577559	#	2.000
5	0.0000250	999.500002	3999.0	1.412
6	0.000714	137.256871	588.3	1.254
7	0.001253	53.563212	211.4	1.182
8	0.001791	33.202708	140.9	1.142
9	0.002290	23.7035106	100.8	1.116
10	0.002744	17.305908	70.8	1.098
11	0.003151	14.497131	50.6	1.086
12	0.003516	12.664228	39.3	1.076
13	0.003842	11.335470	32.7	1.069
14	0.004398	9.723836	27.3	1.058
15	0.004850	8.722397	24.1	1.051
16	0.005323	8.043557	21.7	1.046
17	0.005536	7.538096	20.3	1.042
18	0.005801	7.194436	19.2	1.039
19	0.006314	6.590732	17.0	1.034
20	0.006684	6.221714	15.6	1.031
25	0.006962	5.973251	14.9	1.028
30	0.007179	5.794725	14.3	1.027
35	0.007353	5.666317	13.9	1.025
40	0.007496	5.555506	13.6	1.024
50	0.007614	5.471500	13.4	1.024
60	0.007715	5.402674	13.2	1.023

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.0	576404.563282	*	2.000
1	0.0001136	999.7227318	2339.8	.411
2	0.0002670	1334.820709	3375.12	.253
3	0.0004248	1999.899674	40.4	.380
4	0.0005709	2200.955341	75.3	.500
5	0.0007014	2333.624460	48.3	.533
6	0.0008163	2333.624460	33.3	.555
7	0.0009173	2333.624460	27.6	.582
8	0.0010063	2333.624460	22.6	.607
9	0.0010848	2333.624460	19.3	.635
10	0.0011568	2333.624460	15.5	.654
11	0.0012227	2333.624460	12.3	.674
12	0.0012833	2333.624460	10.0	.694
13	0.0013389	2333.624460	8.7	.714
14	0.0013895	2333.624460	8.0	.734
15	0.0014351	2333.624460	7.7	.754
16	0.0014757	2333.624460	6.7	.774
17	0.0015113	2333.624460	6.2	.794
18	0.0015419	2333.624460	5.9	.814
19	0.0015675	2333.624460	5.5	.834
20	0.0015881	2333.624460	5.3	.854
21	0.0016037	2333.624460	5.0	.874
22	0.0016153	2333.624460	4.9	.894
23	0.0016229	2333.624460	4.8	.914
24	0.0016275	2333.624460	4.7	.934
25	0.0016291	2333.624460	4.6	.954
26	0.0016277	2333.624460	4.5	.974
27	0.0016233	2333.624460	4.4	.994
28	0.0016159	2333.624460	4.3	.014
29	0.0016055	2333.624460	4.2	.034
30	0.0015921	2333.624460	4.1	.054
31	0.0015757	2333.624460	4.0	.074
32	0.0015563	2333.624460	3.9	.094
33	0.0015339	2333.624460	3.8	.114
34	0.0015085	2333.624460	3.7	.134
35	0.0014801	2333.624460	3.6	.154
36	0.0014487	2333.624460	3.5	.174
37	0.0014143	2333.624460	3.4	.194
38	0.0013769	2333.624460	3.3	.214
39	0.0013365	2333.624460	3.2	.234
40	0.0012931	2333.624460	3.1	.254
41	0.0012467	2333.624460	3.0	.274
42	0.0011973	2333.624460	2.9	.294
43	0.0011459	2333.624460	2.8	.314
44	0.0010925	2333.624460	2.7	.334
45	0.0010371	2333.624460	2.6	.354
46	0.0009797	2333.624460	2.5	.374
47	0.0009203	2333.624460	2.4	.394
48	0.0008589	2333.624460	2.3	.414
49	0.0007955	2333.624460	2.2	.434
50	0.0007301	2333.624460	2.1	.454
51	0.0006627	2333.624460	2.0	.474
52	0.0005933	2333.624460	1.9	.494
53	0.0005219	2333.624460	1.8	.514
54	0.0004485	2333.624460	1.7	.534
55	0.0003731	2333.624460	1.6	.554
56	0.0002957	2333.624460	1.5	.574
57	0.0002163	2333.624460	1.4	.594
58	0.0001349	2333.624460	1.3	.614
59	0.0000515	2333.624460	1.2	.634
60	0.0000000	2333.624460	1.1	.654

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.0	585937.109222	*	2.000
1	0.0002753	999.892087	1789.3	.411
2	0.0005818	1333.143880	300.7	.253
3	0.0008738	1999.749438	414.8	.380
4	0.0011333	2200.027434	52.3	.500
5	0.0013668	2333.205647	40.4	.533
6	0.0015678	2333.636189	29.3	.555
7	0.0017411	2333.016123	22.6	.582
8	0.0018935	2333.223096	19.3	.607
9	0.0020271	2333.074446	15.5	.635
10	0.0022501	2333.521937	12.3	.654
11	0.0024231	2333.749881	10.0	.674
12	0.0025733	2333.941281	8.7	.694
13	0.0026993	2333.489116	8.0	.714
14	0.0027947	2333.150996	7.7	.734
15	0.0028688	2333.590909	6.7	.754
16	0.0029123	2333.249358	6.2	.774
17	0.0029310	2333.019757	5.9	.794
18	0.0029331	2333.854973	5.5	.814
19	0.0029175	2333.734020	5.3	.834
20	0.0028830	2333.634427	5.0	.854
21	0.0028371	2333.557051	4.9	.874
22	0.0027717	2333.493685	4.8	.894
23	0.0026958	2333.443385	4.7	.914
24	0.0026093	2333.393385	4.6	.934
25	0.0025123	2333.343385	4.5	.954
26	0.0024048	2333.293385	4.4	.974
27	0.0022869	2333.243385	4.3	.994
28	0.0021585	2333.193385	4.2	.014
29	0.0020197	2333.143385	4.1	.034
30	0.0018705	2333.093385	4.0	.054
31	0.0017119	2333.043385	3.9	.074
32	0.0015439	2332.993385	3.8	.094
33	0.0013665	2332.943385	3.7	.114
34	0.0011797	2332.893385	3.6	.134
35	0.0009835	2332.843385	3.5	.154
36	0.0007779	2332.793385	3.4	.174
37	0.0005629	2332.743385	3.3	.194
38	0.0003385	2332.693385	3.2	.214
39	0.0001147	2332.643385	3.1	.234
40	0.0000000	2332.593385	3.0	.254
41		2332.543385	2.9	.274
42		2332.493385	2.8	.294
43		2332.443385	2.7	.314
44		2332.393385	2.6	.334
45		2332.343385	2.5	.354
46		2332.293385	2.4	.374
47		2332.243385	2.3	.394
48		2332.193385	2.2	.414
49		2332.143385	2.1	.434
50		2332.093385	2.0	.454
51		2332.043385	1.9	.474
52		2331.993385	1.8	.494
53		2331.943385	1.7	.514
54		2331.893385	1.6	.534
55		2331.843385	1.5	.554
56		2331.793385	1.4	.574
57		2331.743385	1.3	.594
58		2331.693385	1.2	.614
59		2331.643385	1.1	.634
60		2331.593385	1.0	.654

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.0	592873.290010	#	2.000
1	0.004953	1000.003567	1546.7	.411
2	0.009706	131.913272	267.1	.253
3	0.014115	49.903171	103.1	.179
4	0.017983	38.371034	56.1	.137
5	0.021327	31.651673	36.7	.111
6	0.024215	25.194250	26.7	.093
7	0.026718	20.565143	20.8	.079
8	0.028900	16.858795	17.1	.069
9	0.030814	13.953307	14.5	.060
10	0.032406	11.50107	11.4	.050
11	0.033651	9.722010	8.8	.043
12	0.034514	8.601470	7.7	.037
13	0.035034	7.658985	6.8	.032
14	0.035382	6.838273	6.1	.028
15	0.035562	6.107993	5.5	.024
16	0.035643	5.47146	4.9	.020
17	0.035680	4.922954	4.5	.017
18	0.035691	4.523001	4.2	.016
19	0.035698	4.441132	4.0	.015
20	0.035700	4.366880	3.8	.014
21	0.035700	4.273390	3.7	.013
22	0.035700	4.209574	3.6	.012

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
8	0.0	598144.159612	#	2.000
1	0.007452	1000.077241	1423.9	.411
2	0.013923	350.963265	250.0	.253
3	0.019790	150.252330	97.2	.179
4	0.024882	127.865679	53.0	.137
5	0.029260	100.224486	34.6	.111
6	0.033028	84.314365	25.2	.093
7	0.036290	72.216455	19.7	.079
8	0.039133	62.532025	16.2	.069
9	0.041622	54.362910	13.7	.060
10	0.043777	47.861350	11.6	.050
11	0.045093	42.337127	9.8	.043
12	0.045679	37.337127	8.8	.037
13	0.045403	32.901925	8.1	.032
14	0.045593	28.576783	7.6	.028
15	0.045557	24.038753	7.1	.024
16	0.045215	20.11010	6.6	.020
17	0.044100	16.490847	6.2	.017
18	0.043614	13.332913	5.8	.016
19	0.042824	11.214156	5.5	.015
20	0.041814	9.121637	5.3	.014
21	0.040638	7.047540	5.1	.013
22	0.039334	5.986870	5.0	.012

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.0	6.02284	*	2.000
1	0.010073	1000.0	1357.3	1.421
2	0.018194	130.0	241.0	1.125
3	0.025450	48.7368	94.0	1.190
4	0.031708	27.4641	51.4	1.138
5	0.037073	18.8845	33.6	1.111
6	0.041636	14.5117	24.4	1.092
7	0.045678	11.9383	19.0	1.079
8	0.049156	10.2711	15.6	1.068
9	0.052209	9.1147	13.2	1.060
10	0.057303	7.6306	10.3	1.049
11	0.061376	6.7280	8.5	1.041
12	0.064701	6.1251	7.3	1.036
13	0.067464	5.6956	6.5	1.031
14	0.069794	5.3748	5.9	1.028
15	0.074281	4.8440	4.9	1.022
16	0.077498	4.5208	4.3	1.019
17	0.079916	4.3033	3.9	1.017
18	0.081799	4.1481	3.7	1.015
19	0.083306	4.0310	3.5	1.013
20	0.084539	3.9393	3.3	1.012
25	0.085567	3.8663	3.0	1.010
30	0.086437	3.8069	3.1	1.011

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.0	6.05620	*	2.000
1	0.012692	1000.0	1520.7	1.421
2	0.022357	129.6134	236.2	1.125
3	0.030909	48.3171	93.4	1.180
4	0.038258	27.1371	50.5	1.133
5	0.044552	18.6074	33.0	1.111
6	0.049963	14.2647	24.0	1.092
7	0.054648	11.7112	18.7	1.079
8	0.058734	10.0576	15.3	1.068
9	0.062322	8.9117	13.2	1.060
10	0.065321	7.9415	10.0	1.049
11	0.073137	6.5511	8.2	1.041
12	0.077057	5.9511	7.1	1.035
13	0.080328	5.5261	6.3	1.031
14	0.083092	5.2087	5.7	1.028
15	0.088425	4.6838	4.7	1.022
16	0.092261	4.3642	4.2	1.018
17	0.095149	4.1495	3.8	1.016
18	0.097402	3.9956	3.5	1.014
19	0.099208	3.8798	3.3	1.013
20	0.100633	3.7896	3.0	1.012
25	0.101922	3.7174	3.1	1.011
30	0.102968	3.6583	3.0	1.010

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
12	0.0	610667.832302	1291.6	2.000
1	0.017660	1000.190679	1291.6	1.412
2	0.030061	128.685495	233.0	2.234
4	0.040915	47.675569	91.3	1.141
5	0.050214	26.636510	46.9	1.339
6	0.058176	18.182575	32.6	1.432
7	0.065033	11.362308	22.7	1.533
8	0.070931	9.729920	15.4	1.679
9	0.076180	8.599107	12.7	1.769
10	0.080738	7.749836	9.8	1.861
11	0.084616	6.269479	8.0	1.940
14	0.094691	5.682031	6.9	2.035
16	0.103931	5.263732	6.6	2.087
20	0.110752	4.951418	6.4	2.141
25	0.114433	4.451468	4.4	2.321
30	0.119933	4.120549	4.0	2.408
35	0.122634	3.909387	3.6	2.455
40	0.126330	3.757924	3.3	2.490
45	0.128730	3.644034	3.1	2.516
50	0.130701	3.553302	3.0	2.530
55	0.132348	3.484235	2.9	2.540
60	0.133746	3.426042	2.8	2.549

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
14	0.0	614302.749952	1290.5	2.000
1	0.021098	1000.203399	1290.5	1.412
2	0.036797	128.010151	233.8	2.234
4	0.049596	47.203075	91.7	1.141
5	0.060557	26.771137	50.1	1.339
6	0.069956	17.872140	32.7	1.432
7	0.078067	13.603170	22.7	1.533
8	0.085119	10.106330	15.4	1.679
9	0.091300	9.489142	12.7	1.769
10	0.096735	8.369570	9.8	1.861
11	0.105940	6.935009	8.0	1.940
14	0.113364	6.064135	6.9	2.035
16	0.119948	5.483180	6.6	2.087
20	0.122461	5.069569	6.4	2.141
25	0.123984	4.760775	4.4	2.321
30	0.125748	4.250153	4.0	2.408
35	0.124367	3.939249	3.6	2.455
40	0.124836	3.730413	3.3	2.490
45	0.125206	3.580591	3.1	2.516
50	0.125505	3.467914	3.0	2.530
55	0.125748	3.380114	2.9	2.540
60	0.125954	3.309761	2.8	2.549
	0.126128	3.252181	2.7	2.558

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.0	617045.1922002	1300.4	2.000
17	0.025979	1000.206431	2336.1	1.412
18	0.042610	127.496627	92.7	1.255
19	0.057055	46.852242	50.6	1.183
20	0.069435	25.992673	33.0	1.140
21	0.080070	17.635169	25.0	1.103
22	0.089267	12.396138	19.5	1.094
23	0.097235	10.910610	15.5	1.080
24	0.104328	9.304775	12.7	1.062
25	0.110560	8.193282	9.8	1.050
26	0.115908	6.770052	8.0	1.043
27	0.121321	5.906210	6.6	1.035
28	0.126703	5.330033	5.4	1.027
29	0.132053	4.919845	4.4	1.017
30	0.137372	4.613604	3.6	1.009
31	0.142659	4.407152	3.0	1.000
32	0.147903	4.298715	2.6	0.999
33	0.153104	4.191481	2.3	0.999
34	0.158263	4.085770	2.0	0.999
35	0.163381	3.981092	1.8	0.999
36	0.168458	3.877211	1.6	0.999
37	0.173495	3.773853		
38	0.178491	3.671663		

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
19	0.0	619187.694625	1300.0	2.000
20	0.022935	1000.204879	2336.0	1.412
21	0.047620	127.093301	92.8	1.255
22	0.063470	46.572339	50.8	1.183
23	0.077067	25.773397	33.4	1.140
24	0.088770	17.448370	25.4	1.103
25	0.098914	12.288227	19.7	1.094
26	0.107776	10.756032	15.8	1.080
27	0.115558	9.615902	12.9	1.062
28	0.122297	8.605393	10.0	1.050
29	0.128019	7.739324	8.0	1.043
30	0.132711	6.930377	6.6	1.035
31	0.137377	6.208340	5.4	1.027
32	0.141910	5.580073	4.4	1.017
33	0.146312	5.046410	3.6	1.009
34	0.150583	4.599303	3.0	1.000
35	0.154726	4.233379	2.6	0.999
36	0.158741	3.948027	2.3	0.999
37	0.162628	3.733327	2.0	0.999
38	0.166389	3.581001	1.8	0.999
39	0.170023	3.494659	1.6	0.999
40	0.173531	3.407674		
41	0.176914			

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
20	0.0	620907.6664787	*	2.000
1	0.032290	1000.201168	1331.1	.413
2	0.051956	126.767466	242.2	.236
3	0.069012	46.346416	95.0	.133
4	0.083663	25.596252	55.9	.144
5	0.096295	17.297326	33.8	.114
6	0.107266	13.093435	24.4	.095
7	0.116872	10.630812	18.9	.091
8	0.125345	9.040373	15.4	.071
9	0.132874	7.940928	13.0	.063
10	0.145665	6.533123	10.9	.050
11	0.156123	5.678937	8.1	.042
12	0.164835	5.109248	6.6	.036
13	0.172207	4.703655	5.6	.033
14	0.178577	4.400796	5.1	.028
15	0.190985	3.899752	4.4	.027
16	0.200180	3.594404	3.8	.027
17	0.207248	3.399205	3.4	.025
18	0.212854	3.241687	3.1	.023
19	0.217409	3.130724	2.9	.021
20	0.221185	3.044194	2.8	.020
21	0.224365	2.974320	2.6	.019
22	0.227082	2.917988	2.5	.018

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
25	0.0	624016.832856	*	2.000
1	0.038142	1000.182092	1371.5	.413
2	0.060336	126.175329	249.6	.236
3	0.079957	45.935240	97.9	.133
4	0.095709	25.273468	55.5	.144
5	0.111203	17.021772	34.8	.114
6	0.123844	12.846115	25.1	.096
7	0.134959	10.401859	19.4	.083
8	0.144806	8.824596	15.3	.073
9	0.153591	7.733313	12.5	.064
10	0.166860	6.338144	10.0	.054
11	0.180960	5.491421	8.0	.044
12	0.191323	4.926684	7.0	.039
13	0.200143	4.524521	6.1	.033
14	0.207745	4.224735	5.3	.029
15	0.222284	3.726886	4.4	.025
16	0.234100	3.433555	3.8	.022
17	0.242820	3.219416	3.4	.020
18	0.249730	3.072699	3.1	.019
19	0.255546	2.962177	2.9	.017
20	0.260200	2.875917	2.7	.016
21	0.264307	2.806728	2.6	.015
22	0.267639	2.749993	2.5	.014

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
30	0.0	626098	#	2.000
1	0.042467	10000.177329	1407.1	.413
2	0.066841	125.776680	236.1	.257
3	0.083013	45.657836	100.5	.184
4	0.106303	25.055442	54.8	.143
5	0.122186	16.835391	35.6	.116
6	0.133087	12.673609	25.7	.097
7	0.148349	9.002465	19.9	.083
8	0.159243	6.677721	16.2	.073
9	0.169002	4.759298	13.6	.065
10	0.178574	3.620524	10.3	.052
11	0.187960	2.538633	8.4	.044
12	0.197112	1.801722	7.7	.037
13	0.206081	1.401678	6.2	.033
14	0.214999	1.102778	5.6	.029
15	0.223741	.860768	4.5	.022
16	0.232471	.630537	4.3	.018
17	0.241192	.410172	3.4	.015
18	0.249960	.305374	3.6	.013
19	0.258741	.210172	3.4	.011
20	0.267577	.195522	3.1	.010
21	0.276441	.184477	2.9	.009
22	0.285350	.175851	2.7	.008
23	0.294339	.168926	2.6	.008
24	0.303459	.163324	2.5	.008

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
35	0.0	627590	#	2.000
1	0.045773	10000.167212	1437.0	.413
2	0.071644	125.489740	261.6	.257
3	0.094142	45.458191	100.2	.185
4	0.113621	24.898307	56.0	.144
5	0.130579	16.700924	36.4	.117
6	0.144545	12.557636	26.9	.098
7	0.158619	9.013432	19.0	.084
8	0.170347	6.571436	15.0	.074
9	0.180868	4.749097	12.0	.065
10	0.190937	3.610880	10.0	.053
11	0.201405	2.702339	8.5	.044
12	0.212680	2.071073	7.2	.038
13	0.223775	1.632097	6.3	.033
14	0.234725	1.304155	5.6	.029
15	0.246635	.952036	4.6	.022
16	0.258078	.721856	3.9	.018
17	0.269210	.501507	3.5	.015
18	0.280123	.368570	3.2	.013
19	0.290875	.275802	2.9	.011
20	0.301507	.216716	2.7	.010
21	0.312043	.180220	2.6	.009
22	0.322507	.154324	2.5	.008

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
40	0.00	0.027091	*	2.000
41	0.0048374	0.0158716	1462.5	1.413
42	0.0075416	0.0092734	1266.1	1.257
43	0.0088957	0.0073426	1104.4	1.165
44	0.0119373	0.005554	956.9	1.044
45	0.0137187	0.0047796	837.0	0.977
46	0.0152849	0.0040661	726.7	0.899
47	0.0166731	0.0034937	620.7	0.853
48	0.0179126	0.0030094	526.8	0.74
49	0.0190269	0.0026136	441.1	0.663
50	0.0200951	0.0023060	360.7	0.553
51	0.0225574	0.0019947	287.7	0.455
52	0.0233920	0.0016414	224.8	0.38
53	0.0235094	0.0012438	166.4	0.30
54	0.0236111	0.0009465	113.7	0.23
55	0.0238800	0.0006536	74.6	0.18
56	0.0239748	0.0004851	53.5	0.13
57	0.0240983	0.0003532	39.2	0.09
58	0.0241983	0.0002801	28.8	0.07
59	0.0242881	0.0002157	20.9	0.05
60	0.0243410	0.0001659	14.8	0.03
61	0.0243514	0.0001244	10.5	0.02
62	0.0243514	0.0000954	7.5	0.01
63	0.0243514	0.0000774	5.5	0.009
64	0.0243514	0.0000654	4.5	0.008
65	0.0243514	0.0000554	3.5	0.007
66	0.0243514	0.0000474	2.5	0.006
67	0.0243514	0.0000414	1.5	0.005
68	0.0243514	0.0000364	1.0	0.004
69	0.0243514	0.0000324	0.7	0.003
70	0.0243514	0.0000294	0.5	0.002
71	0.0243514	0.0000274	0.4	0.001
72	0.0243514	0.0000264	0.3	0.001
73	0.0243514	0.0000254	0.2	0.000
74	0.0243514	0.0000244	0.1	0.000
75	0.0243514	0.0000234	0.1	0.000
76	0.0243514	0.0000224	0.1	0.000
77	0.0243514	0.0000214	0.1	0.000
78	0.0243514	0.0000204	0.1	0.000
79	0.0243514	0.0000194	0.1	0.000
80	0.0243514	0.0000184	0.1	0.000
81	0.0243514	0.0000174	0.1	0.000
82	0.0243514	0.0000164	0.1	0.000
83	0.0243514	0.0000154	0.1	0.000
84	0.0243514	0.0000144	0.1	0.000
85	0.0243514	0.0000134	0.1	0.000
86	0.0243514	0.0000124	0.1	0.000
87	0.0243514	0.0000114	0.1	0.000
88	0.0243514	0.0000104	0.1	0.000
89	0.0243514	0.0000094	0.1	0.000
90	0.0243514	0.0000084	0.1	0.000
91	0.0243514	0.0000074	0.1	0.000
92	0.0243514	0.0000064	0.1	0.000
93	0.0243514	0.0000054	0.1	0.000
94	0.0243514	0.0000044	0.1	0.000
95	0.0243514	0.0000034	0.1	0.000
96	0.0243514	0.0000024	0.1	0.000
97	0.0243514	0.0000014	0.1	0.000
98	0.0243514	0.0000004	0.1	0.000
99	0.0243514	0.0000000	0.1	0.000
100	0.0243514	0.0000000	0.1	0.000

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
43	0.00	0.006230	*	2.000
44	0.0050470	0.0015334	1484.0	1.413
45	0.0073431	0.0010433	1270.0	1.257
46	0.0088957	0.0007342	1104.4	1.165
47	0.0119373	0.0005554	956.9	1.044
48	0.0137187	0.0004779	837.0	0.977
49	0.0152849	0.0004066	726.7	0.899
50	0.0166731	0.0003493	620.7	0.853
51	0.0179126	0.0003009	526.8	0.74
52	0.0190269	0.0002613	441.1	0.663
53	0.0200951	0.0002306	360.7	0.553
54	0.0225574	0.0001994	287.7	0.455
55	0.0233920	0.0001641	224.8	0.38
56	0.0235094	0.0001243	166.4	0.30
57	0.0236111	0.0000946	113.7	0.23
58	0.0238800	0.0000653	74.6	0.18
59	0.0239748	0.0000485	53.5	0.13
60	0.0240983	0.0000353	39.2	0.09
61	0.0241983	0.0000280	28.8	0.07
62	0.0242881	0.0000215	20.9	0.05
63	0.0243410	0.0000166	14.8	0.03
64	0.0243514	0.0000124	10.5	0.02
65	0.0243514	0.0000095	7.5	0.01
66	0.0243514	0.0000077	5.5	0.009
67	0.0243514	0.0000065	4.5	0.008
68	0.0243514	0.0000055	3.5	0.007
69	0.0243514	0.0000047	2.5	0.006
70	0.0243514	0.0000041	1.5	0.005
71	0.0243514	0.0000036	1.0	0.004
72	0.0243514	0.0000032	0.7	0.003
73	0.0243514	0.0000029	0.5	0.002
74	0.0243514	0.0000027	0.4	0.001
75	0.0243514	0.0000026	0.3	0.001
76	0.0243514	0.0000025	0.2	0.000
77	0.0243514	0.0000024	0.1	0.000
78	0.0243514	0.0000023	0.1	0.000
79	0.0243514	0.0000022	0.1	0.000
80	0.0243514	0.0000021	0.1	0.000
81	0.0243514	0.0000020	0.1	0.000
82	0.0243514	0.0000019	0.1	0.000
83	0.0243514	0.0000018	0.1	0.000
84	0.0243514	0.0000017	0.1	0.000
85	0.0243514	0.0000016	0.1	0.000
86	0.0243514	0.0000015	0.1	0.000
87	0.0243514	0.0000014	0.1	0.000
88	0.0243514	0.0000013	0.1	0.000
89	0.0243514	0.0000012	0.1	0.000
90	0.0243514	0.0000011	0.1	0.000
91	0.0243514	0.0000010	0.1	0.000
92	0.0243514	0.0000009	0.1	0.000
93	0.0243514	0.0000008	0.1	0.000
94	0.0243514	0.0000007	0.1	0.000
95	0.0243514	0.0000006	0.1	0.000
96	0.0243514	0.0000005	0.1	0.000
97	0.0243514	0.0000004	0.1	0.000
98	0.0243514	0.0000003	0.1	0.000
99	0.0243514	0.0000002	0.1	0.000
100	0.0243514	0.0000001	0.1	0.000

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
50	1 0.0	630285 .370070	* 2.000	2.000
1	0.052194	10000 .145585	1502.3	1.414
2	0.080946	124 .969008	273.3	1.258
3	0.106020	45 .095420	107.3	1.196
4	0.127827	24 .612500	58.5	1.143
5	0.146909	16 .456035	38.0	1.098
6	0.163740	12 .337036	27.4	1.060
7	0.179705	9 .929349	21.2	1.026
8	0.192109	8 .377121	17.2	1.000
9	0.204196	7 .330423	14.5	1.067
10	0.215156	5 .931831	11.0	1.054
11	0.225156	5 .931831	8.9	1.046
12	0.242747	5 .098981	7.5	1.039
13	0.257756	4 .543007	6.6	1.034
14	0.270737	4 .446615	5.9	1.030
15	0.282093	3 .850117	5.3	1.023
16	0.305163	3 .353003	4.7	1.016
17	0.322835	3 .056528	4.0	1.011
18	0.336897	2 .852785	3.6	1.009
19	0.343337	2 .705768	3.2	1.008
20	0.357833	2 .594603	3.0	1.008
21	0.365899	2 .507551	2.8	1.008
22	0.372798	2 .437500	2.6	1.008
23	0.378781	2 .379891	2.5	1.008

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
55	1 0.0	630858 .524891	* 2.000	2.000
1	0.053636	10000 .140478	1518.1	1.414
2	0.083030	124 .857858	276.1	1.258
3	0.108633	45 .017922	106.3	1.196
4	0.131013	24 .551382	59.1	1.143
5	0.150584	16 .403612	38.4	1.098
6	0.167863	12 .289752	27.7	1.060
7	0.183245	9 .888537	21.5	1.026
8	0.197039	8 .335391	17.4	1.000
9	0.209499	7 .264094	14.6	1.067
10	0.221113	5 .893705	11.1	1.054
11	0.249313	5 .062012	9.0	1.046
12	0.264836	4 .506730	7.6	1.040
13	0.278344	4 .411075	6.6	1.035
14	0.290115	4 .322616	6.0	1.031
15	0.301420	3 .814510	5.9	1.024
16	0.314271	3 .322616	4.8	1.019
17	0.327271	3 .021084	4.1	1.016
18	0.347455	2 .817171	3.6	1.011
19	0.359495	2 .669938	3.3	1.009
20	0.369532	2 .558545	3.0	1.008
21	0.378038	2 .471265	2.8	1.008
22	0.385344	2 .400953	2.7	1.008
23	0.391692	2 .343174	2.5	1.008

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
60	0.0	0.553997	1.53	2.000
59	0.054859	0.136082	1.53	1.414
58	0.084799	124.765051	2.78	1.258
57	0.110943	44.553195	4.09	1.186
56	0.133726	24.500319	5.59	1.145
55	0.153705	16.359798	7.38	1.119
54	0.171368	12.250237	9.28	1.100
53	0.187107	9.848600	11.7	1.086
52	0.201235	8.300475	14.7	1.076
51	0.214002	7.230492	17.4	1.067
50	0.225621	5.861770	21.1	1.055
49	0.235492	5.031025	25.9	1.046
48	0.244947	4.476302	31.7	1.040
47	0.254854	4.080661	38.7	1.035
46	0.264705	3.784604	46.0	1.031
45	0.274198	3.522851	54.8	1.024
44	0.283337	3.297230	64.1	1.019
43	0.292174	3.097137	74.3	1.016
42	0.300657	2.917137	85.3	1.014
41	0.308914	2.752807	97.0	1.012
40	0.316934	2.604057	110.8	1.011
39	0.324748	2.470088	125.7	1.010
38	0.332326	2.352067	141.5	1.009

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESS IVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.0025086	0.863458	1.0000	0.00000
2	0.0033925	0.632741	0.5499	0.02116
3	0.0037733	0.9006935	0.4112	0.04152
4	0.0039755	0.5302333	0.3488	0.05576
5	0.0040986	0.823430	0.3122	0.06523
6	0.0041807	0.395196	0.2888	0.07204
7	0.0042391	0.108500	0.2722	0.07714
8	0.0042826	0.903314	0.260	0.08110
9	0.0043163	0.749231	0.2500	0.08425
10	0.0043430	0.629429	0.243	0.08682
11	0.0043829	0.455075	0.233	0.09076
12	0.0044110	0.334390	0.223	0.09362
13	0.0044320	0.245916	0.211	0.09580
14	0.0044488	0.178284	0.201	0.09752
15	0.0044611	0.124908	0.191	0.09890
16	0.0044714	0.0830435	0.180	0.09942
17	0.0044799	0.0683578	0.170	0.09911
18	0.0044851	0.0524935	0.161	0.09863
19	0.0044882	0.047493	0.153	0.09799
20	0.0044902	0.042493	0.146	0.09725
21	0.0044911	0.037493	0.140	0.09644
22	0.0044918	0.032493	0.134	0.09554
23	0.0044923	0.027493	0.129	0.09459
24	0.0044926	0.022493	0.124	0.09364
25	0.0044928	0.017493	0.119	0.09269
26	0.0044929	0.012493	0.114	0.09174
27	0.0044930	0.007493	0.109	0.09079
28	0.0044931	0.002493	0.104	0.08984
29	0.0044932	0.001493	0.099	0.08889
30	0.0044933	0.000493	0.094	0.08794
31	0.0044934	0.000093	0.089	0.08699
32	0.0044935	0.000003	0.084	0.08604
33	0.0044936	0.000000	0.079	0.08509
34	0.0044937	0.000000	0.074	0.08414
35	0.0044938	0.000000	0.069	0.08319
36	0.0044939	0.000000	0.064	0.08224
37	0.0044940	0.000000	0.059	0.08129
38	0.0044941	0.000000	0.054	0.08034
39	0.0044942	0.000000	0.049	0.07939
40	0.0044943	0.000000	0.044	0.07844
41	0.0044944	0.000000	0.039	0.07749
42	0.0044945	0.000000	0.034	0.07654
43	0.0044946	0.000000	0.029	0.07559
44	0.0044947	0.000000	0.024	0.07464
45	0.0044948	0.000000	0.019	0.07369
46	0.0044949	0.000000	0.014	0.07274
47	0.0044950	0.000000	0.009	0.07179
48	0.0044951	0.000000	0.004	0.07084
49	0.0044952	0.000000	0.000	0.06989
50	0.0044953	0.000000	0.000	0.06894
51	0.0044954	0.000000	0.000	0.06799
52	0.0044955	0.000000	0.000	0.06704
53	0.0044956	0.000000	0.000	0.06609
54	0.0044957	0.000000	0.000	0.06514
55	0.0044958	0.000000	0.000	0.06419
56	0.0044959	0.000000	0.000	0.06324
57	0.0044960	0.000000	0.000	0.06229
58	0.0044961	0.000000	0.000	0.06134
59	0.0044962	0.000000	0.000	0.06039
60	0.0044963	0.000000	0.000	0.05944

CONFIDENCE LEVEL=.8
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.079159	0.476397	0.823	0.02116
3	0.111111	0.000000	0.000	0.00000
4	0.126620	0.326490	0.747	0.00451
5	0.135363	0.204129	0.627	0.01103
6	0.141333	0.679555	0.557	0.01687
7	0.145335	0.361729	0.511	0.02163
8	0.148301	0.148902	0.479	0.02548
9	0.150559	0.996539	0.456	0.02866
10	0.152340	0.882126	0.437	0.03131
11	0.153781	0.793074	0.423	0.03354
12	0.155967	0.663477	0.401	0.03510
13	0.157547	0.573727	0.386	0.03619
14	0.158741	0.507905	0.375	0.03699
15	0.159676	0.457571	0.366	0.03753
16	0.160426	0.417835	0.359	0.03796
17	0.161785	0.347478	0.347	0.03823
18	0.162699	0.301389	0.339	0.03840
19	0.163348	0.268860	0.333	0.03849
20	0.163838	0.244674	0.328	0.03851
21	0.164221	0.225937	0.325	0.03847
22	0.164517	0.211111	0.322	0.03837
23	0.164778	0.198998	0.320	0.03820
24	0.164937	0.188935	0.318	0.03806
25	0.165093	0.180000	0.316	0.03794
26	0.165246	0.172222	0.314	0.03783
27	0.165396	0.165556	0.312	0.03773
28	0.165543	0.159876	0.310	0.03764
29	0.165687	0.155111	0.308	0.03755
30	0.165828	0.151250	0.306	0.03747
31	0.165966	0.148333	0.304	0.03739
32	0.166101	0.146250	0.302	0.03732
33	0.166233	0.144909	0.300	0.03725
34	0.166363	0.144222	0.298	0.03718
35	0.166490	0.144111	0.296	0.03712
36	0.166615	0.144556	0.294	0.03706
37	0.166738	0.145556	0.292	0.03700
38	0.166859	0.147111	0.290	0.03694
39	0.166978	0.149222	0.288	0.03688
40	0.167095	0.151889	0.286	0.03682
41	0.167210	0.155111	0.284	0.03676
42	0.167323	0.158889	0.282	0.03670
43	0.167434	0.163333	0.280	0.03664
44	0.167543	0.168333	0.278	0.03658
45	0.167650	0.173889	0.276	0.03652
46	0.167755	0.180000	0.274	0.03646
47	0.167858	0.186667	0.272	0.03640
48	0.167959	0.193889	0.270	0.03634
49	0.168058	0.201667	0.268	0.03628
50	0.168155	0.210000	0.266	0.03622
51	0.168250	0.218889	0.264	0.03616
52	0.168343	0.228333	0.262	0.03610
53	0.168434	0.238333	0.260	0.03604
54	0.168523	0.248889	0.258	0.03598
55	0.168610	0.260000	0.256	0.03592
56	0.168695	0.271667	0.254	0.03586
57	0.168778	0.283889	0.252	0.03580
58	0.168859	0.296667	0.250	0.03574
59	0.168938	0.310000	0.248	0.03568
60	0.169015	0.323889	0.246	0.03562

CONFIDENCE LEVEL=.8
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
3	0.112272	26.501649	2.425	1.04192
4	0.160604	7.897632	1.3338	1.00451
5	0.285502	5.390773	1.0000	1.00000
6	0.200490	4.467110	0.837	1.00158
7	0.110469	3.992901	0.741	1.00436
8	0.317581	3.705351	0.673	1.00719
9	0.229032	3.512637	0.634	1.00976
10	0.327032	3.374563	0.600	1.01204
11	0.230329	3.270805	0.575	1.01464
12	0.333022	3.189995	0.554	1.0178
13	0.237111	3.072297	0.534	1.02367
14	0.340179	3.990711	0.503	1.03095
15	0.244866	3.930830	0.486	1.02788
16	0.344304	3.885010	0.474	1.02423
17	0.245773	3.848819	0.464	1.02533
18	0.348453	3.784692	0.446	1.02790
19	0.250264	3.742651	0.434	1.02957
20	0.351570	3.712962	0.425	1.03081
21	0.252556	3.690873	0.419	1.03176
22	0.353327	3.673808	0.414	1.03333
23	0.253946	3.660220	0.410	1.03333
24	0.354435	3.649145	0.407	1.03364
25	0.254879	3.639947	0.404	1.03407

CONFIDENCE LEVEL=.8
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
4	0.132798	25.153932	2.870	1.05576
5	0.192255	7.376653	1.595	1.00409
6	0.223393	4.987776	1.1333	1.00000
7	0.343472	4.107250	1.0000	1.00000
8	0.256800	3.654719	0.835	1.00033
9	0.366435	3.380001	0.808	1.00213
10	0.273769	3.195635	0.754	1.00371
11	0.379503	3.063497	0.715	1.00525
12	0.284112	2.964074	0.681	1.00699
13	0.387917	2.886577	0.656	1.00800
14	0.293795	2.773590	0.618	1.00930
15	0.398134	2.695179	0.591	1.01037
16	0.300146	2.637573	0.571	1.01173
17	0.404111	2.593458	0.555	1.01304
18	0.306256	2.558531	0.543	1.01424
19	0.410192	2.496756	0.520	1.01582
20	0.312869	2.456175	0.505	1.01792
21	0.414808	2.427495	0.494	1.01958
22	0.316278	2.406150	0.486	1.02136
23	0.417433	2.389644	0.480	1.02261
24	0.318357	2.376499	0.475	1.02320
25	0.319913	2.365784	0.470	1.02369
26	0.319758	2.356881	0.467	1.02411

CONFIDENCE LEVEL=.8
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.2146554	24.398616	3.207	.06523
6	0.213696	7.075475	1.795	.01687
7	0.210444	4.751291	1.349	.00436
8	0.2073615	3.894047	1.131	.00072
9	0.2039605	3.452982	1.000	.00000
10	0.2001317	3.184905	0.913	.00038
11	0.1959027	3.004840	0.851	.00020
12	0.1917335	2.875567	0.804	.00016
13	0.1872309	2.778244	0.768	.00036
14	0.1827837	2.702320	0.738	.00043
15	0.1783523	2.591509	0.694	.00058
16	0.1739472	2.514510	0.663	.00074
17	0.1694833	2.457883	0.639	.00087
18	0.1650335	2.414432	0.621	.00098
19	0.1605119	2.380153	0.606	.00108
20	0.1559620	2.319211	0.579	.00127
21	0.1513679	2.279172	0.561	.00146
22	0.1467220	2.250851	0.548	.00153
23	0.1420330	2.229759	0.539	.00160
24	0.1373640	2.215440	0.531	.00167
25	0.1326858	2.200439	0.525	.00173
26	0.1278601	2.189837	0.520	.00178
27	0.1236870	2.181026	0.516	.00182

CONFIDENCE LEVEL=.8
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.2156367	23.519501	3.469	.07204
7	0.2129267	6.879939	1.955	.02169
8	0.2099880	4.595994	1.475	.00719
9	0.2069585	3.752984	1.238	.00215
10	0.2037380	3.318768	1.095	.00033
11	0.2003770	3.054555	1.000	.00000
12	0.196818	2.876885	0.932	.00023
13	0.1931608	2.749205	0.880	.00074
14	0.1893816	2.652993	0.840	.00037
15	0.1855875	2.577374	0.807	.00020
16	0.1817339	2.468119	0.758	.00033
17	0.1778430	2.391758	0.723	.00046
18	0.1739249	2.335542	0.696	.00057
19	0.1699803	2.292417	0.675	.00066
20	0.1659927	2.258231	0.653	.00075
21	0.1619613	2.197620	0.628	.00092
22	0.1578613	2.157717	0.608	.00105
23	0.1536920	2.129467	0.593	.00115
24	0.1494330	2.103413	0.582	.00123
25	0.1450833	2.092126	0.573	.00133
26	0.1406111	2.079125	0.566	.00134
27	0.1407141	2.068528	0.566	.00139
28		2.059718	0.556	.00143

CONFIDENCE LEVEL=.8
SHORTEST UNBIASED CONFIDENCE INTERVAL

OF	C-1	C-2	A-2/A-1	REDUCTION
7	0.1353706	23.59003	3.680	0.0774
0.1353706	0.1353706	6.7430222	3.086	0.02348
0.1353706	0.1353706	4.4862755	3.578	0.00976
0.1353706	0.1353706	6.552721	3.27	0.00371
0.1353706	0.1353706	2.222941	3.73	0.00201
0.1353706	0.1353706	9.6146	3.000	0.00233
0.1353706	0.1353706	7.84330	3.444	0.00200
0.1353706	0.1353706	6.53772	3.01	0.00155
0.1353706	0.1353706	5.62571	3.866	0.0022
0.1353706	0.1353706	3.78633	3.22	0.00200
0.1353706	0.1353706	3.02506	3.744	0.00277
0.1353706	0.1353706	2.20333	3.733	0.00348
0.1353706	0.1353706	6.69340	3.703	0.00333
0.1353706	0.1353706	0.03333	3.700	0.00333
0.1353706	0.1353706	6.83333	3.647	0.00344
0.1353706	0.1353706	0.40235	3.633	0.00344
0.1353706	0.1353706	0.12748	3.513	0.00344
0.1353706	0.1353706	0.02788	3.609	0.00344
0.1353706	0.1353706	9.97436	3.600	0.00344
0.1353706	0.1353706	979096	3.593	0.00344
0.1353706	0.1353706	970242	3.590	0.00344

CONFIDENCE LEVEL=.8
 SHORTEST UNBIASED CONFIDENCE INTERVAL

OF	C-1	C-2	A-2/A-1	REDUCTION
8	0.1353706	23.59003	3.680	0.0774
0.1353706	0.1353706	6.7430222	3.086	0.02348
0.1353706	0.1353706	4.4862755	3.578	0.00976
0.1353706	0.1353706	6.552721	3.27	0.00371
0.1353706	0.1353706	2.222941	3.73	0.00201
0.1353706	0.1353706	9.6146	3.000	0.00233
0.1353706	0.1353706	7.84330	3.444	0.00200
0.1353706	0.1353706	6.53772	3.01	0.00155
0.1353706	0.1353706	5.62571	3.866	0.0022
0.1353706	0.1353706	3.78633	3.22	0.00200
0.1353706	0.1353706	3.02506	3.744	0.00277
0.1353706	0.1353706	2.20333	3.703	0.00348
0.1353706	0.1353706	6.69340	3.700	0.00333
0.1353706	0.1353706	0.03333	3.647	0.00344
0.1353706	0.1353706	6.83333	3.633	0.00344
0.1353706	0.1353706	0.40235	3.513	0.00344
0.1353706	0.1353706	0.12748	3.609	0.00344
0.1353706	0.1353706	0.02788	3.600	0.00344
0.1353706	0.1353706	9.97436	3.600	0.00344
0.1353706	0.1353706	979096	3.593	0.00344
0.1353706	0.1353706	970242	3.590	0.00344

CONFIDENCE LEVEL=.8
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.173935	0.168157	0.8944	0.08425
10	0.257591	0.256425	0.286	0.03131
15	0.305735	0.341618	0.740	0.01404
20	0.337374	0.519643	0.468	0.00669
25	0.359940	0.095095	0.303	0.00316
30	0.376933	0.836013	0.131	0.00137
35	0.390233	0.661310	0.110	0.00049
40	0.400949	0.535429	0.049	0.00010
45	0.409779	0.440340	0.000	0.00000
50	0.417183	0.365932	0.961	0.00007
55	0.428542	0.256898	0.901	0.00048
60	0.437853	0.180772	0.857	0.00103
65	0.444862	0.124560	0.824	0.00162
70	0.450512	0.081328	0.798	0.00220
75	0.455170	0.047032	0.776	0.00274
80	0.463882	0.985901	0.738	0.00392
85	0.469943	0.943343	0.711	0.00490
90	0.474406	0.916892	0.692	0.00569
95	0.477830	0.895493	0.678	0.00634
100	0.480541	0.873900	0.660	0.00688
105	0.482740	0.865655	0.637	0.00734
110	0.484560	0.854836	0.650	0.00773
115	0.486092	0.845334	0.644	0.00807

CONFIDENCE LEVEL=.8
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.177638	0.025338	4.115	0.08682
15	0.263638	0.502755	2.364	0.03554
20	0.313480	0.291445	0.804	0.01578
25	0.346431	0.473220	0.524	0.00801
30	0.370052	0.050297	0.354	0.00413
35	0.387991	0.792003	0.239	0.00205
40	0.401950	0.617697	0.153	0.00092
45	0.413293	0.492008	0.091	0.00034
50	0.422666	0.396999	0.041	0.00007
55	0.430551	0.322604	0.000	0.00000
60	0.443093	0.213497	0.937	0.00018
65	0.452650	0.137239	0.892	0.00057
70	0.460176	0.080380	0.857	0.00103
75	0.466263	0.037500	0.829	0.00150
80	0.471291	0.003062	0.807	0.00197
85	0.480723	0.941620	0.766	0.00301
90	0.487308	0.901009	0.738	0.00389
95	0.492168	0.872133	0.718	0.00462
100	0.495904	0.850536	0.702	0.00522
105	0.498866	0.833831	0.690	0.00573
110	0.501273	0.820437	0.681	0.00617
115	0.503267	0.809568	0.673	0.00654
120	0.504947	0.800477	0.666	0.00687

CONFIDENCE LEVEL=.8
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
12	0.383336	22.81649	4.307	.09076
1	0.372965	6.411597	2.491	.03710
2	0.325489	4.216648	.909	.01867
3	0.360544	3.403730	.617	.01030
4	0.385876	2.983019	.440	.00589
5	0.405167	2.725727	.339	.00339
6	0.420413	2.551862	.233	.00190
7	0.432801	2.426329	.164	.00101
8	0.443086	2.331320	.110	.00048
9	0.451774	2.256339	.067	.00008
10	0.45867	2.147437	.000	.00000
11	0.476318	2.070826	.031	.00011
12	0.484750	2.014111	.013	.00003
13	0.491599	1.970393	.004	.00000
14	0.497277	1.935642	.003	.00000
15	0.500793	1.873527	.002	.00000
16	0.501550	1.832379	.001	.00000
17	0.502108	1.803090	.000	.00000
18	0.502533	1.781169	.000	.00000
19	0.502838	1.764441	.000	.00000
20	0.503059	1.750329	.000	.00000
21	0.503203	1.739393	.000	.00000
22	0.503354	1.730125	.000	.00000

CONFIDENCE LEVEL=.3
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
14	0.187463	22.670385	4.453	.09362
1	0.179820	6.347310	2.539	.03979
2	0.334369	4.266370	.999	.02095
3	0.371032	3.554196	.699	.01217
4	0.387692	2.934836	.608	.00742
5	0.418102	2.678164	.508	.00461
6	0.434306	2.504490	.422	.00337
7	0.447533	2.373255	.322	.00217
8	0.458553	2.283846	.222	.00140
9	0.467893	2.209212	.121	.00057
10	0.475829	2.099435	.051	.00001
11	0.482243	2.022134	.000	.00000
12	0.487364	1.965343	.000	.00000
13	0.491113	1.922127	.000	.00000
14	0.493736	1.886209	.000	.00000
15	0.495291	1.823419	.000	.00000
16	0.495750	1.781737	.000	.00000
17	0.495437	1.752020	.000	.00000
18	0.494851	1.729747	.000	.00000
19	0.493533	1.712427	.000	.00000
20	0.491580	1.698569	.000	.00000
21	0.489061	1.687227	.000	.00000
22	0.486025	1.677773	.000	.00000

CONFIDENCE LEVEL=.8
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.190624	22.563123	4.568	.09580
21	0.285070	6.299559	2.667	.04189
26	0.341200	4.123957	2.057	.02378
31	0.379136	3.317099	1.751	.01373
36	0.406854	2.898736	1.564	.00873
41	0.428166	2.642354	1.437	.00571
46	0.445153	2.468744	1.343	.00377
51	0.459061	2.343139	1.271	.00249
56	0.470686	2.247890	1.214	.00162
61	0.480566	2.173082	1.167	.00103
66	0.496497	2.062921	1.095	.00035
71	0.508817	1.985532	1.041	.00007
76	0.518866	1.928079	1.000	.00000
81	0.526695	1.883680	0.967	.00005
86	0.533403	1.848307	0.940	.00016
91	0.546159	1.784876	0.890	.00057
96	0.555207	1.742686	0.855	.00103
101	0.561957	1.712558	0.830	.00146
106	0.567215	1.689950	0.810	.00183
111	0.571408	1.672350	0.795	.00220
116	0.574833	1.658256	0.782	.00252
121	0.577694	1.646712	0.772	.00279
126	0.580112	1.637082	0.763	.00304

CONFIDENCE LEVEL=.8
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
3	0.193114	22.480938	4.661	.09752
8	0.289220	6.262701	2.730	.04358
13	0.346619	4.093266	2.112	.02429
18	0.385386	3.283277	1.801	.01504
23	0.414168	2.870584	1.611	.00986
28	0.436221	2.614410	1.481	.00667
33	0.453854	2.440800	1.386	.00459
38	0.468330	2.315093	1.312	.00319
43	0.480462	2.219695	1.254	.00220
48	0.490798	2.144712	1.206	.00150
53	0.500751	2.084179	1.132	.00065
58	0.512043	1.956426	1.077	.00023
63	0.520876	1.898633	1.034	.00005
68	0.529397	1.853923	1.000	.00000
73	0.534652	1.818263	0.972	.00003
78	0.560112	1.754238	0.920	.00029
83	0.569793	1.711373	0.884	.00064
88	0.577050	1.681062	0.857	.00100
93	0.583722	1.658138	0.836	.00133
98	0.589727	1.640274	0.820	.00164
103	0.590927	1.625956	0.807	.00192
108	0.594019	1.614220	0.796	.00217
113	0.596638	1.604423	0.786	.00239

CONFIDENCE LEVEL=.8
SHORTEST UNBIASED CONFIDENCE INTERVAL

20	DF	C -1	C -2	A - 2/A -1	REDUCTION
	1	0.195125	22.415981	4.738	.09890
	2	0.192583	6.233395	2.733	.04496
	3	0.135102	4.068790	2.157	.02553
	4	0.090940	3.265239	1.843	.01614
	5	0.042014	2.848038	1.650	.01083
	6	0.044281	2.591993	1.519	.00752
	7	0.046099	2.478350	1.422	.00532
	8	0.047594	2.392533	1.347	.00388
	9	0.048351	2.349693	1.288	.00274
	10	0.049933	2.312183	1.239	.00197
	20	0.051662	2.121832	1.164	.00098
	30	0.053301	1.952861	1.107	.00044
	40	0.054499	1.874755	1.064	.00016
	50	0.055746	1.829759	1.029	.00003
	60	0.057179	1.793843	1.000	.00000
	70	0.058204	1.729261	0.946	.00003
	80	0.058974	1.686155	0.909	.00038
	90	0.059397	1.655236	0.881	.00067
	100	0.059577	1.632057	0.859	.00096
	200	0.060053	1.613395	0.842	.00122
	300	0.060453	1.599426	0.828	.00147
	400	0.060784	1.587509	0.817	.00169
	500	0.061064	1.577556	0.807	.00190

CONFIDENCE LEVEL=.8
 SHORTEST UNBIASED CONFIDENCE INTERVAL

25	DF	C -1	C -2	A - 2/A -1	REDUCTION
	1	0.198790	22.300851	4.880	.10142
	2	0.196732	6.181053	2.883	.04753
	3	0.139810	4.024908	2.244	.02790
	4	0.090520	3.223313	1.923	.01929
	5	0.043118	2.807397	1.727	.01274
	6	0.045503	2.551495	1.592	.00923
	7	0.047425	2.377709	1.493	.00685
	8	0.049014	2.251614	1.417	.00516
	9	0.050355	2.155721	1.356	.00393
	10	0.051303	2.080139	1.306	.00301
	20	0.053375	1.968561	1.227	.00178
	30	0.054842	1.889747	1.169	.00103
	40	0.056026	1.830969	1.124	.00057
	50	0.057000	1.785357	1.087	.00029
	60	0.057828	1.748880	1.057	.00013
	70	0.058414	1.683101	1.000	.00000
	80	0.058956	1.659034	0.960	.00007
	90	0.059421	1.607379	0.930	.00022
	100	0.060099	1.583507	0.907	.00040
	200	0.062064	1.564343	0.889	.00053
	300	0.063096	1.549845	0.873	.00076
	400	0.063473	1.537522	0.861	.00093
	500	0.063794	1.527214	0.850	.00109

CONFIDENCE LEVEL=.8
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
30	0.201265	0.225394	4.979	0.103111
31	0.302903	0.146468	2.933	0.049330
32	0.364611	0.995780	2.306	0.029577
33	0.407137	0.196226	1.981	0.00982
34	0.438736	0.780256	1.782	0.00476
35	0.463453	0.524381	1.646	0.001052
36	0.483421	0.350437	1.545	0.000802
37	0.499984	0.224096	1.463	0.000623
38	0.513395	0.127917	1.406	0.000490
39	0.526036	0.052092	1.353	0.000389
40	0.545739	0.939845	1.275	0.000249
41	0.561250	0.860449	1.216	0.000169
42	0.573827	0.800113	1.169	0.000093
43	0.584253	0.755024	1.132	0.000064
44	0.593506	0.718094	1.100	0.000039
45	0.601036	0.653339	1.042	0.000007
46	0.607247	0.608479	1.000	0.000000
47	0.613388	0.574270	0.969	0.000004
48	0.619290	0.549750	0.944	0.000004
49	0.625028	0.530621	0.925	0.000005
50	0.630723	0.515211	0.909	0.000008
51	0.636339	0.502349	0.893	0.000005
52	0.641794	0.491936	0.884	0.000006

CONFIDENCE LEVEL=.8
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
55	0.203048	0.172138	3.032	0.04332
56	0.305917	0.121910	2.005	0.05053
57	0.368600	0.973039	2.332	0.02098
58	0.412194	0.765337	2.024	0.00988
59	0.444276	0.608446	1.824	0.00523
60	0.469601	0.504954	1.686	0.00194
61	0.490133	0.350863	1.585	0.00089
62	0.507203	0.230434	1.507	0.000708
63	0.521678	0.107899	1.445	0.000569
64	0.533444	0.031827	1.393	0.000462
65	0.544603	0.919036	1.353	0.000333
66	0.554777	0.839219	1.253	0.000233
67	0.563922	0.779464	1.205	0.000146
68	0.572486	0.732952	1.167	0.000000
69	0.580411	0.695650	1.135	0.000067
70	0.587833	0.628091	1.075	0.000022
71	0.595255	0.582371	1.032	0.000004
72	0.602481	0.549712	1.000	0.000000
73	0.609530	0.524826	0.975	0.000003
74	0.616596	0.503300	0.954	0.000009
75	0.623496	0.489556	0.938	0.000007
76	0.630245	0.476584	0.923	0.000006
77	0.636945	0.465705	0.911	0.000003

CONFIDENCE LEVEL=.8
 SHORTEST UNBIASED CONFIDENCE INTERVAL

40	DF	C-1	C-2	A-2/A-1	REDUCTION
	0.	0.0004395	0.0004395	0.0004395	0.0004395
	0.	0.0008197	0.0008197	0.0008197	0.0008197
	0.	0.0011999	0.0011999	0.0011999	0.0011999
	0.	0.0015801	0.0015801	0.0015801	0.0015801
	0.	0.0019603	0.0019603	0.0019603	0.0019603
	0.	0.0023405	0.0023405	0.0023405	0.0023405
	0.	0.0027207	0.0027207	0.0027207	0.0027207
	0.	0.0031009	0.0031009	0.0031009	0.0031009
	0.	0.0034811	0.0034811	0.0034811	0.0034811
	0.	0.0038613	0.0038613	0.0038613	0.0038613
	0.	0.0042415	0.0042415	0.0042415	0.0042415
	0.	0.0046217	0.0046217	0.0046217	0.0046217
	0.	0.0050019	0.0050019	0.0050019	0.0050019
	0.	0.0053821	0.0053821	0.0053821	0.0053821
	0.	0.0057623	0.0057623	0.0057623	0.0057623
	0.	0.0061425	0.0061425	0.0061425	0.0061425
	0.	0.0065227	0.0065227	0.0065227	0.0065227
	0.	0.0069029	0.0069029	0.0069029	0.0069029
	0.	0.0072831	0.0072831	0.0072831	0.0072831
	0.	0.0076633	0.0076633	0.0076633	0.0076633
	0.	0.0080435	0.0080435	0.0080435	0.0080435
	0.	0.0084237	0.0084237	0.0084237	0.0084237
	0.	0.0088039	0.0088039	0.0088039	0.0088039
	0.	0.0091841	0.0091841	0.0091841	0.0091841
	0.	0.0095643	0.0095643	0.0095643	0.0095643
	0.	0.0099445	0.0099445	0.0099445	0.0099445

CONFIDENCE LEVEL = .8
 SHORTEST UNBIASED CONFIDENCE INTERVAL

45	DF	C-1	C-2	A-2/A-1	REDUCTION
	0.	0.0005447	0.0005447	0.0005447	0.0005447
	0.	0.0009893	0.0009893	0.0009893	0.0009893
	0.	0.0014339	0.0014339	0.0014339	0.0014339
	0.	0.0018784	0.0018784	0.0018784	0.0018784
	0.	0.0023230	0.0023230	0.0023230	0.0023230
	0.	0.0027675	0.0027675	0.0027675	0.0027675
	0.	0.0032121	0.0032121	0.0032121	0.0032121
	0.	0.0036566	0.0036566	0.0036566	0.0036566
	0.	0.0041012	0.0041012	0.0041012	0.0041012
	0.	0.0045457	0.0045457	0.0045457	0.0045457
	0.	0.0049903	0.0049903	0.0049903	0.0049903
	0.	0.0054348	0.0054348	0.0054348	0.0054348
	0.	0.0058794	0.0058794	0.0058794	0.0058794
	0.	0.0063239	0.0063239	0.0063239	0.0063239
	0.	0.0067685	0.0067685	0.0067685	0.0067685
	0.	0.0072130	0.0072130	0.0072130	0.0072130
	0.	0.0076576	0.0076576	0.0076576	0.0076576
	0.	0.0081021	0.0081021	0.0081021	0.0081021
	0.	0.0085467	0.0085467	0.0085467	0.0085467
	0.	0.0089912	0.0089912	0.0089912	0.0089912
	0.	0.0094358	0.0094358	0.0094358	0.0094358
	0.	0.0098803	0.0098803	0.0098803	0.0098803
	0.	0.0103249	0.0103249	0.0103249	0.0103249
	0.	0.0107694	0.0107694	0.0107694	0.0107694
	0.	0.0112140	0.0112140	0.0112140	0.0112140
	0.	0.0116585	0.0116585	0.0116585	0.0116585
	0.	0.0121031	0.0121031	0.0121031	0.0121031
	0.	0.0125476	0.0125476	0.0125476	0.0125476
	0.	0.0129922	0.0129922	0.0129922	0.0129922
	0.	0.0134367	0.0134367	0.0134367	0.0134367
	0.	0.0138813	0.0138813	0.0138813	0.0138813
	0.	0.0143258	0.0143258	0.0143258	0.0143258
	0.	0.0147704	0.0147704	0.0147704	0.0147704
	0.	0.0152149	0.0152149	0.0152149	0.0152149
	0.	0.0156595	0.0156595	0.0156595	0.0156595
	0.	0.0161040	0.0161040	0.0161040	0.0161040
	0.	0.0165486	0.0165486	0.0165486	0.0165486
	0.	0.0169931	0.0169931	0.0169931	0.0169931
	0.	0.0174377	0.0174377	0.0174377	0.0174377
	0.	0.0178822	0.0178822	0.0178822	0.0178822
	0.	0.0183268	0.0183268	0.0183268	0.0183268
	0.	0.0187713	0.0187713	0.0187713	0.0187713
	0.	0.0192159	0.0192159	0.0192159	0.0192159
	0.	0.0196604	0.0196604	0.0196604	0.0196604
	0.	0.0201050	0.0201050	0.0201050	0.0201050
	0.	0.0205495	0.0205495	0.0205495	0.0205495
	0.	0.0209941	0.0209941	0.0209941	0.0209941
	0.	0.0214386	0.0214386	0.0214386	0.0214386
	0.	0.0218832	0.0218832	0.0218832	0.0218832
	0.	0.0223277	0.0223277	0.0223277	0.0223277
	0.	0.0227723	0.0227723	0.0227723	0.0227723
	0.	0.0232168	0.0232168	0.0232168	0.0232168
	0.	0.0236614	0.0236614	0.0236614	0.0236614
	0.	0.0241059	0.0241059	0.0241059	0.0241059
	0.	0.0245505	0.0245505	0.0245505	0.0245505
	0.	0.0249950	0.0249950	0.0249950	0.0249950
	0.	0.0254396	0.0254396	0.0254396	0.0254396
	0.	0.0258841	0.0258841	0.0258841	0.0258841
	0.	0.0263287	0.0263287	0.0263287	0.0263287
	0.	0.0267732	0.0267732	0.0267732	0.0267732
	0.	0.0272178	0.0272178	0.0272178	0.0272178
	0.	0.0276623	0.0276623	0.0276623	0.0276623
	0.	0.0281069	0.0281069	0.0281069	0.0281069
	0.	0.0285514	0.0285514	0.0285514	0.0285514
	0.	0.0289960	0.0289960	0.0289960	0.0289960
	0.	0.0294405	0.0294405	0.0294405	0.0294405
	0.	0.0298851	0.0298851	0.0298851	0.0298851
	0.	0.0303296	0.0303296	0.0303296	0.0303296
	0.	0.0307742	0.0307742	0.0307742	0.0307742
	0.	0.0312187	0.0312187	0.0312187	0.0312187
	0.	0.0316633	0.0316633	0.0316633	0.0316633
	0.	0.0321078	0.0321078	0.0321078	0.0321078
	0.	0.0325524	0.0325524	0.0325524	0.0325524
	0.	0.0329969	0.0329969	0.0329969	0.0329969
	0.	0.0334415	0.0334415	0.0334415	0.0334415
	0.	0.0338860	0.0338860	0.0338860	0.0338860
	0.	0.0343306	0.0343306	0.0343306	0.0343306
	0.	0.0347751	0.0347751	0.0347751	0.0347751
	0.	0.0352197	0.0352197	0.0352197	0.0352197
	0.	0.0356642	0.0356642	0.0356642	0.0356642
	0.	0.0361088	0.0361088	0.0361088	0.0361088
	0.	0.0365533	0.0365533	0.0365533	0.0365533
	0.	0.0369979	0.0369979	0.0369979	0.0369979
	0.	0.0374424	0.0374424	0.0374424	0.0374424
	0.	0.0378870	0.0378870	0.0378870	0.0378870
	0.	0.0383315	0.0383315	0.0383315	0.0383315
	0.	0.0387761	0.0387761	0.0387761	0.0387761
	0.	0.0392206	0.0392206	0.0392206	0.0392206
	0.	0.0396652	0.0396652	0.0396652	0.0396652
	0.	0.0401097	0.0401097	0.0401097	0.0401097
	0.	0.0405543	0.0405543	0.0405543	0.0405543
	0.	0.0409988	0.0409988	0.0409988	0.0409988
	0.	0.0414434	0.0414434	0.0414434	0.0414434
	0.	0.0418879	0.0418879	0.0418879	0.0418879
	0.	0.0423325	0.0423325	0.0423325	0.0423325
	0.	0.0427770	0.0427770	0.0427770	0.0427770
	0.	0.0432216	0.0432216	0.0432216	0.0432216
	0.	0.0436661	0.0436661	0.0436661	0.0436661
	0.	0.0441107	0.0441107	0.0441107	0.0441107
	0.	0.0445552	0.0445552	0.0445552	0.0445552
	0.	0.0449998	0.0449998	0.0449998	0.0449998
	0.	0.0454443	0.0454443	0.0454443	0.0454443
	0.	0.0458889	0.0458889	0.0458889	0.0458889
	0.	0.0463334	0.0463334	0.0463334	0.0463334
	0.	0.0467780	0.0467780	0.0467780	0.0467780
	0.	0.0472225	0.0472225	0.0472225	0.0472225
	0.	0.0476671	0.0476671	0.0476671	0.0476671
	0.	0.0481116	0.0481116	0.0481116	0.0481116
	0.	0.0485562	0.0485562	0.0485562	0.0485562
	0.	0.0489907	0.0489907	0.0489907	0.0489907
	0.	0.0494353	0.0494353	0.0494353	0.0494353
	0.	0.0498798	0.0498798	0.0498798	0.0498798
	0.	0.0503244	0.0503244	0.0503244	0.0503244
	0.	0.0507689	0.0507689	0.0507689	0.0507689
	0.	0.0512135	0.0512135	0.0512135	0.0512135
	0.	0.0516580	0.0516580	0.0516580	0.0516580
	0.	0.0521026	0.0521026	0.0521026	0.0521026
	0.	0.0525471	0.0525471	0.0525471	0.0525471
	0.	0.0529917	0.0529917	0.0529917	0.0529917
	0.	0.0534362	0.0534362	0.0534362	0.0534362
	0.	0.0538808	0.0538808	0.0538808	0.0538808
	0.	0.0543253	0.0543253	0.0543253	0.0543253
	0.	0.0547699	0.0547699	0.0547699	0.0547699
	0.	0.0552144	0.0552144	0.0552144	0.0552144
	0.	0.0556590	0.0556590	0.0556590	0.0556590
	0.	0.0561035	0.0561035	0.0561035	0.0561035
	0.	0.0565481	0.0565481	0.0565481	0.0565481
	0.	0.0569926	0.0569926	0.0569926	0.0569926
	0.	0.0574372	0.0574372	0.0574372	0.0574372
	0.	0.0578817	0.0578817	0.0578817	0.0578817
	0.	0.0583263	0.0583263	0.0583263	0.0583263
	0.	0.0587708	0.0587708	0.0587708	0.0587708
	0.	0.0592154	0.0592154	0.0592154	0.0592154
	0.	0.0596599	0.0596599	0.0596599	0.0596599
	0.	0.0601045	0.0601045	0.0601045	0.0601045
	0.	0.0605490	0.0605490	0.0605490	0.0605490
	0.	0.0609936	0.0609936	0.0609936	0.0609936
	0.	0.0614381	0.0614381	0.0614381	0.0614381
	0.	0.0618827	0.0618827	0.0618827	0.0618827
	0.	0.0623272	0.0623272	0.0623272	0.0623272
	0.	0.0627718	0.0627718	0.0627718	0.0627718
	0.	0.0632163	0.0632163	0.0632163	0.0632163
	0.	0.0636609	0.0636609	0.0636609	0.0636609
	0.	0.0641054	0.0641054	0.0641054	0.0641054
	0.	0.0645500	0.0645500	0.0645500	0.0645500
	0.	0.0			

DF	C-1	C-2	A-2/A-1	REDUCTION
50	0.206292	22.077639	5.187	.1C654
1	0.311418	66.078027	5.102	.05297
2	0.375909	33.937843	2.439	.03333
3	0.420737	33.141127	2.107	.02320
4	0.454455	33.725851	1.904	.01733
5	0.480971	33.469851	1.766	.01349
6	0.502578	33.295419	1.663	.01081
7	0.520629	33.169421	1.585	.00884
8	0.536005	33.071508	1.521	.00734
9	0.549303	33.994920	1.469	.00617
10	0.561256	33.881149	1.438	.00447
11	0.588733	33.800298	1.327	.00332
12	0.603043	33.733622	1.279	.00252
13	0.615023	33.692257	1.240	.00192
14	0.625224	33.654155	1.207	.00147
15	0.634533	33.584874	1.155	.00107
16	0.655976	33.537910	1.100	.00088
17	0.671341	33.503332	1.067	.00067
18	0.680405	33.477904	1.040	.00006
19	0.688781	33.457475	1.018	.00001
20	0.693900	33.440942	1.000	.00000
21	0.699233	33.427274	0.985	.00000
22	0.703721	33.415778	0.972	.00000

CONFIDENCE LEVEL=.8
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
55	0.206936	22.057322	5.216	.1C701
1	0.312598	66.063777	5.124	.05349
2	0.377488	33.929975	2.453	.03564
3	0.422633	33.133621	2.126	.02369
4	0.456665	33.718419	1.922	.01780
5	0.483446	33.462332	1.733	.01395
6	0.505233	33.287864	1.681	.01134
7	0.523351	33.160757	1.602	.00935
8	0.539333	33.063726	1.539	.00777
9	0.553366	33.987015	1.437	.00654
10	0.574911	33.873000	1.405	.00433
11	0.592683	33.791915	1.344	.00303
12	0.607271	33.731019	1.295	.00217
13	0.619949	33.683449	1.257	.00169
14	0.631591	33.645165	1.224	.00133
15	0.650339	33.575451	1.162	.00093
16	0.665536	33.529130	1.117	.00054
17	0.677233	33.493745	1.083	.00036
18	0.686587	33.467552	1.056	.00022
19	0.694242	33.446892	1.034	.00005
20	0.700663	33.430155	1.016	.00000
21	0.706062	33.416305	1.000	.00000
22	0.710729	33.404646	0.987	.00000

CONFIDENCE LEVEL=.8
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
60	0.207565	22.041367	5.241	.10740
55	0.313584	6.061075	3.142	.05392
50	0.378795	3.923426	2.475	.03407
45	0.424290	3.127367	2.141	.02410
40	0.458500	3.712222	2.638	.01820
35	0.485503	2.456150	1.799	.01433
30	0.507552	3.281358	1.696	.01166
25	0.526010	3.154357	1.617	.00960
20	0.541761	3.057223	1.554	.00807
15	0.555408	2.980407	1.502	.00687
10	0.567992	2.866180	1.420	.00539
5	0.579602	2.784893	1.359	.00390
	0.610843	2.723806	1.311	.00304
	0.623277	2.676057	1.272	.00239
	0.635892	2.637607	1.239	.00190
	0.654787	2.567523	1.177	.00100
	0.670270	2.519337	1.132	.00063
	0.682266	2.485232	1.097	.00036
	0.692865	2.453804	1.070	.00019
	0.699739	2.437938	1.048	.00009
	0.706326	2.423018	1.029	.00003
	0.711921	2.407006	1.014	.00001
	0.716745	2.395201	1.000	.00000

CONFIDENCE LEVEL=.8
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.006194	161.447639	1.0000	1.00000
2	0.008641	27.570305	0.525	1.01814
3	0.009762	16.213918	0.380	1.03697
4	0.010367	12.601221	0.312	1.04978
5	0.010735	10.881137	0.274	1.05862
6	0.010980	9.885648	0.249	1.06499
7	0.011153	9.239456	0.232	1.06976
8	0.011292	8.787164	0.220	1.07347
9	0.011381	8.453295	0.210	1.07642
10	0.011455	8.196916	0.203	1.07882
12	0.011575	7.829325	0.192	1.08249
14	0.011657	7.578650	0.184	1.08576
16	0.011717	7.396858	0.179	1.08879
18	0.011763	7.259023	0.174	1.09178
20	0.011800	7.150944	0.171	1.09407
25	0.011866	6.961167	0.165	1.09740
30	0.011909	6.837966	0.160	1.09997
35	0.011939	6.751548	0.158	1.09951
40	0.011962	6.687536	0.155	1.09959
45	0.011979	6.638337	0.154	1.09966
50	0.011993	6.599247	0.153	1.09971
55	0.012005	6.567463	0.151	1.09975
60	0.012014	6.541119	0.151	1.09979

CONFIDENCE LEVEL=.9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.036271	115.722722	1.906	1.01814
3	0.052632	19.000000	1.000	1.00000
4	0.061066	10.934086	0.721	1.00427
5	0.066035	8.386918	0.590	1.01061
6	0.069269	7.173333	0.514	1.01622
7	0.071527	6.473875	0.465	1.02083
8	0.073188	6.020296	0.431	1.02460
9	0.074459	5.703029	0.406	1.02770
10	0.075462	5.468935	0.387	1.03029
12	0.076272	5.289227	0.372	1.03246
14	0.077500	5.031642	0.349	1.03592
16	0.078387	4.835602	0.334	1.03853
18	0.079056	4.728692	0.322	1.04057
20	0.079578	4.632156	0.313	1.04221
25	0.079998	4.556462	0.306	1.04355
30	0.080756	4.423560	0.293	1.04603
35	0.081263	4.337283	0.295	1.04774
40	0.081626	4.276766	0.279	1.04899
45	0.081899	4.231974	0.274	1.04994
50	0.082111	4.197484	0.271	1.05068
55	0.082291	4.170103	0.268	1.05128
55	0.082420	4.147852	0.266	1.05178
60	0.082536	4.129403	0.264	1.05220

CONFIDENCE LEVEL=.9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
3				
1	0.0611675	02.434714	2.6333	1.03697
2	0.091457	16.375660	1.387	1.00427
3	0.107798	9.276628	1.000	1.00000
4	0.117897	7.040445	0.816	1.00154
5	0.124708	5.980586	0.709	1.00028
6	0.129596	5.368655	0.640	1.000707
7	0.133270	4.971965	0.591	1.000562
8	0.136129	4.694524	0.555	1.001187
9	0.138416	4.489813	0.527	1.001384
10	0.140286	4.332666	0.505	1.001557
11	0.143159	4.107385	0.473	1.001842
12	0.1445263	3.933765	0.450	1.002067
14	0.146869	3.642355	0.432	1.002247
16	0.148136	3.757376	0.419	1.002395
18	0.149159	3.691626	0.409	1.002518
20	0.151026	3.575276	0.390	1.002751
25	0.152287	3.499723	0.377	1.002915
30	0.153196	3.446715	0.369	1.003056
35	0.153883	3.407474	0.362	1.003130
40	0.154420	3.377253	0.357	1.003194
45	0.154851	3.353263	0.353	1.003254
50	0.155205	3.333753	0.350	1.003314
55	0.155500	3.317588	0.347	1.003356

CONFIDENCE LEVEL=.9
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
4				
1	0.0793357	96.464485	3.201	1.04578
2	0.113276	15.143404	1.695	1.001061
3	0.142036	8.432010	1.225	1.00154
4	0.156538	6.338233	1.000	1.00000
5	0.166550	5.396582	0.868	1.00071
6	0.173869	4.824117	0.782	1.00021
7	0.179449	4.452974	0.721	1.000363
8	0.183844	4.193347	0.675	1.000529
9	0.187394	4.001736	0.641	1.000663
10	0.190320	3.854596	0.613	1.000797
12	0.194862	3.643587	0.573	1.001024
14	0.198223	3.499629	0.543	1.001210
16	0.200809	3.395179	0.521	1.001365
18	0.202862	3.315948	0.504	1.001494
20	0.204530	3.253793	0.490	1.001604
25	0.207593	3.144585	0.466	1.001816
30	0.209679	3.073630	0.450	1.001958
35	0.211191	3.023823	0.438	1.002083
40	0.212337	2.986948	0.430	1.002172
45	0.213236	2.953539	0.423	1.002243
50	0.213960	2.933982	0.418	1.002301
55	0.214553	2.917639	0.414	1.002350
60	0.215053	2.902430	0.410	1.002391

CONFIDENCE LEVEL=.9
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.091902	93.155183	3.650	1.05862
2	0.139405	14.436512	1.945	1.01622
3	0.167208	8.018760	1.410	1.00428
4	0.185302	6.004210	1.152	1.00071
5	0.198007	5.050329	1.000	1.00000
6	0.207419	4.499586	0.900	1.00033
7	0.214674	4.142413	0.829	1.00119
8	0.220439	3.892463	0.776	1.00216
9	0.225130	3.707921	0.736	1.00315
10	0.229022	3.566154	0.703	1.00411
12	0.235109	3.362741	0.654	1.00588
14	0.239552	3.223373	0.619	1.00741
16	0.243171	3.123053	0.593	1.00871
18	0.245979	3.046547	0.572	1.00983
20	0.248271	3.986499	0.557	1.01030
25	0.252502	2.830930	0.523	1.01270
30	0.255403	2.812292	0.506	1.01410
35	0.257514	2.764090	0.493	1.01517
40	0.259121	2.728379	0.483	1.01601
45	0.260334	2.700862	0.477	1.01669
50	0.261403	2.679008	0.470	1.01725
55	0.262242	2.661232	0.465	1.01772
60	0.262946	2.646490	0.461	1.01812

CONFIDENCE LEVEL=.9
SHCRTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.101157	91.077853	4.009	1.06499
2	0.154467	13.930096	2.149	1.02033
3	0.186266	7.716267	1.563	1.00707
4	0.207292	5.751463	1.279	1.00212
5	0.222243	4.822156	1.111	1.00038
6	0.233434	4.283866	1.000	1.00000
7	0.242134	3.935272	0.921	1.00023
8	0.249096	3.691214	0.862	1.00074
9	0.254796	3.510939	0.815	1.00137
10	0.259549	3.372388	0.779	1.00205
12	0.267030	3.173470	0.724	1.00338
14	0.272652	3.037569	0.685	1.00461
16	0.277032	2.933843	0.655	1.00570
18	0.280542	2.863875	0.632	1.00666
20	0.283417	2.805011	0.614	1.00751
25	0.289375	2.701453	0.580	1.00921
30	0.292430	2.634065	0.558	1.01050
35	0.295118	2.586714	0.542	1.01149
40	0.297139	2.551617	0.530	1.01228
45	0.298786	2.524561	0.521	1.01292
50	0.300092	2.503067	0.514	1.01346
55	0.301171	2.485580	0.508	1.01391
60	0.302075	2.471073	0.502	1.01429

CONFIDENCE LEVEL=.9
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.1082231	89.662264	4.303	1.06976
1	0.166105	13.663361	2.319	1.02460
2	0.201128	7.503560	1.692	1.00962
3	0.224569	5.572600	1.387	1.00368
4	0.241405	4.658222	1.206	1.00119
5	0.254112	4.129945	1.086	1.00023
6	0.264058	3.787044	1.000	1.00000
7	0.272064	3.546854	0.936	1.00015
8	0.278651	3.369351	0.885	1.00049
9	0.284168	3.232867	0.845	1.00092
10	0.292897	3.036794	0.785	1.00190
12	0.299495	2.902732	0.741	1.00237
14	0.304661	2.805276	0.709	1.00277
16	0.308817	2.731228	0.683	1.00359
18	0.312232	2.673055	0.663	1.00533
20	0.3138598	2.570641	0.626	1.00685
25	0.323006	2.503942	0.601	1.00802
30	0.326240	2.457042	0.583	1.00894
35	0.328715	2.422261	0.569	1.00968
40	0.330669	2.395459	0.559	1.01026
45	0.332251	2.374123	0.551	1.01079
50	0.333359	2.356775	0.544	1.01122
55	0.334558	2.342331	0.538	1.01159
60				

CONFIDENCE LEVEL = .9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
8	0.113802	88.639906	4.547	1.07347
1	0.175345	13.430157	2.462	1.02770
2	0.213014	7.345974	1.802	1.01137
3	0.239473	5.439394	1.480	1.00522
4	0.256907	4.536411	1.283	1.00216
5	0.270914	4.014521	1.160	1.00074
6	0.281940	3.675610	1.069	1.00015
7	0.290858	3.438101	1.000	1.00000
8	0.2998227	3.262496	0.946	1.00010
9	0.304422	3.127408	0.903	1.00034
10	0.314263	2.933219	0.823	1.00101
12	0.321749	2.800341	0.791	1.00176
14	0.327630	2.703679	0.756	1.00249
16	0.332373	2.630191	0.723	1.00318
18	0.336291	2.572423	0.706	1.00382
20	0.343613	2.570658	0.663	1.00517
25	0.348706	2.404319	0.633	1.00623
30	0.352454	2.357641	0.618	1.00708
35	0.355329	2.323006	0.604	1.00778
40	0.357604	2.296284	0.592	1.00835
45	0.359450	2.275040	0.583	1.00893
50	0.360977	2.257745	0.575	1.00924
55	0.362262	2.243392	0.569	1.00959
60				

CONFIDENCE LEVEL = .9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
9				
1	0.118297	87.868951	4.753	1.07642
2	0.182851	13.251735	2.585	1.03029
3	0.222726	7.224614	1.897	1.01334
4	0.249892	5.336361	1.560	1.00665
5	0.269693	4.441883	1.360	1.00315
6	0.284824	3.934716	1.226	1.00137
7	0.296793	3.588723	1.129	1.00049
8	0.306514	3.353149	1.057	1.00010
9	0.314575	3.178893	1.000	1.00000
10	0.321374	3.044783	0.954	1.00007
12	0.332221	2.851383	0.885	1.00048
14	0.340501	2.719783	0.833	1.00103
16	0.347034	2.623625	0.797	1.00162
18	0.352324	2.550473	0.768	1.00220
20	0.356696	2.492947	0.744	1.00274
25	0.364905	2.391517	0.700	1.00394
30	0.370637	2.325340	0.671	1.00491
35	0.374870	2.278742	0.650	1.00569
40	0.378123	2.244143	0.634	1.00634
45	0.380703	2.217446	0.621	1.00688
50	0.382793	2.196209	0.611	1.00734
55	0.384534	2.178914	0.603	1.00773
60	0.385996	2.164557	0.596	1.00807

CONFIDENCE LEVEL=.9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
10				
1	0.121997	87.267830	4.923	1.07882
2	0.189064	13.410973	2.690	1.03246
3	0.2330805	7.4228313	1.980	1.01557
4	0.259431	5.254302	1.631	1.00797
5	0.280414	4.356387	1.423	1.00411
6	0.296526	3.852331	1.283	1.00205
7	0.309323	3.519042	1.183	1.00092
8	0.319754	3.284909	1.107	1.00034
9	0.328431	3.111643	1.048	1.00007
10	0.335769	2.978237	1.000	1.00000
12	0.347519	2.786237	0.927	1.00018
14	0.356523	2.654653	0.875	1.00057
16	0.363652	2.558812	0.835	1.00103
18	0.369440	2.485839	0.803	1.00150
20	0.374235	2.428455	0.773	1.00197
25	0.383266	2.327170	0.732	1.00302
30	0.389597	2.261028	0.701	1.00390
35	0.394284	2.214422	0.678	1.00462
40	0.397895	2.179802	0.661	1.00523
45	0.400763	2.153067	0.648	1.00574
50	0.403095	2.131797	0.637	1.00617
55	0.405031	2.114469	0.629	1.00654
60	0.406662	2.100080	0.621	1.00687

CONFIDENCE LEVEL=.9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
12	0.127725	86.393161	5.2111	1.08249
1	0.198742	12.903173	5.863	1.03592
2	0.243464	6.985224	2.116	1.01843
3	0.274455	5.131833	1.749	1.01034
4	0.297376	4.253340	1.529	1.00588
5	0.315113	3.744892	1.381	1.00338
6	0.329295	3.414169	1.274	1.00190
7	0.340922	3.181998	1.193	1.00101
8	0.350646	3.010044	1.130	1.00048
9	0.358907	2.877543	1.078	1.00018
10	0.372213	2.686637	1.000	1.00000
12	0.382479	2.555625	0.943	1.00011
14	0.390654	2.460073	0.899	1.00035
16	0.397323	2.387262	0.865	1.00066
18	0.402871	2.329913	0.837	1.00098
20	0.413379	2.228579	0.787	1.00178
25	0.420795	2.162288	0.752	1.00250
30	0.426312	2.115512	0.727	1.00311
35	0.430579	2.080727	0.708	1.00364
40	0.433979	2.052839	0.693	1.00409
45	0.436752	2.032429	0.681	1.00448
50	0.439057	2.014977	0.671	1.00481
55	0.441003	2.000477	0.663	1.00511
60				

CONFIDENCE LEVEL=.9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
14	0.131950	85.788621	5.429	1.08516
1	0.205930	12.757296	2.998	1.03853
2	0.252923	6.884056	2.225	1.02067
3	0.285745	5.044834	1.844	1.01210
4	0.310186	4.172724	1.615	1.00741
5	0.329211	3.667681	1.460	1.00461
6	0.344503	3.338949	1.349	1.00287
7	0.357099	3.108013	1.264	1.00176
8	0.367676	2.936850	1.197	1.00103
9	0.376695	2.804866	1.143	1.00057
10	0.391294	2.614520	1.060	1.00011
12	0.402621	2.483726	1.000	1.00000
14	0.411683	2.388224	0.954	1.00007
16	0.419105	2.315375	0.917	1.00023
18	0.425302	2.257942	0.887	1.00044
20	0.437096	2.136324	0.833	1.00103
25	0.445467	2.089735	0.795	1.00161
30	0.451722	2.042684	0.768	1.00215
35	0.456578	2.000765	0.747	1.00258
40	0.460457	1.980555	0.731	1.00298
45	0.463628	1.958959	0.713	1.00333
50	0.466269	1.941344	0.707	1.00363
55	0.468304	1.926699	0.698	1.00391
60				

CONFIDENCE LEVEL=.9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.135193	85.346558	5.602	1.08719
2	0.211475	12.649334	3.107	1.04057
3	0.260257	6.808769	2.513	1.02247
4	0.294535	4.979845	1.921	1.01365
5	0.320199	4.112329	1.685	1.00871
6	0.340270	3.609692	1.526	1.00570
7	0.356471	3.282335	1.411	1.00377
8	0.369866	3.052221	1.324	1.00249
9	0.381152	2.881560	1.254	1.00162
10	0.390806	2.749882	1.198	1.00103
12	0.406492	2.559810	1.112	1.00035
14	0.418721	2.426056	1.049	1.00007
16	0.428544	2.333484	1.000	1.00000
18	0.436618	2.260511	0.961	1.00005
20	0.443379	2.202932	0.930	1.00016
25	0.456301	2.100925	0.872	1.00037
30	0.465519	2.033973	0.833	1.00103
35	0.472435	1.986605	0.803	1.00146
40	0.477820	1.951303	0.781	1.00185
45	0.482133	1.923965	0.764	1.00220
50	0.485667	1.902165	0.750	1.00251
55	0.488615	1.884570	0.738	1.00279
60	0.491113	1.869569	0.728	1.00304

CONFIDENCE LEVEL = .9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
18	0.137760	85.009563	5.742	1.08578
2	0.215882	12.566242	3.197	1.04221
3	0.266108	6.750372	2.386	1.02395
4	0.301573	4.929453	1.986	1.01494
5	0.328240	4.065392	1.745	1.00933
6	0.349177	3.564533	1.582	1.00666
7	0.366136	3.238163	1.464	1.00459
8	0.380200	3.008626	1.374	1.00313
9	0.392084	2.838296	1.303	1.00220
10	0.402275	2.706800	1.245	1.00150
12	0.418890	2.516844	1.156	1.00066
14	0.431896	2.386035	1.090	1.00023
16	0.442378	2.290332	1.040	1.00005
18	0.451020	2.217197	1.000	1.00000
20	0.458275	2.159443	0.967	1.00003
25	0.472196	2.057006	0.907	1.00029
30	0.482170	1.989670	0.865	1.00064
35	0.489681	1.941972	0.834	1.00100
40	0.495544	1.906336	0.811	1.00133
45	0.500253	1.878806	0.792	1.00164
50	0.504117	1.856796	0.777	1.00192
55	0.507348	1.838818	0.765	1.00217
60	0.510088	1.823856	0.754	1.00239

CONFIDENCE LEVEL = .9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
20				
1	0.139842	84.744339	5.8591	.09007
2	0.219469	12.500332	3.2711	.04355
3	0.270383	6.704246	2.4471	.02518
4	0.307334	4.889250	2.0400	.01604
5	0.334840	4.027864	1.7555	.01080
6	0.356505	3.528367	1.6300	.00751
7	0.374104	3.202743	1.5099	.00533
8	0.388738	2.973613	1.4171	.00382
9	0.401132	2.803505	1.3455	.00274
10	0.411784	2.672117	1.2855	.00197
12	0.429201	2.482184	1.1994	.00092
14	0.442881	2.351271	1.1227	.00044
16	0.453940	2.255409	1.0755	.00016
18	0.463092	2.182094	1.0344	.00003
20	0.470775	2.124155	1.0000	.00000
25	0.485584	2.021279	0.9337	.00013
30	0.496239	1.933558	0.8944	.00008
35	0.504286	1.890531	0.8662	.00006
40	0.510586	1.869666	0.8337	.00003
45	0.515655	1.841845	0.8113	.00002
50	0.519824	1.819627	0.8002	.00001
55	0.523314	1.801463	0.7899	.00001
60	0.526278	1.786347	0.7788	.00001

CONFIDENCE LEVEL=.9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
25				
1	0.143654	84.276825	6.0788	.09240
2	0.226062	12.382983	3.4133	.04603
3	0.279699	6.621399	2.5655	.02751
4	0.318007	4.817112	2.1466	.01816
5	0.347110	3.960360	1.8944	.01270
6	0.370171	3.463167	1.7233	.00921
7	0.389008	3.138752	1.5999	.00635
8	0.404750	2.910252	1.5004	.00517
9	0.418145	2.740442	1.4268	.00394
10	0.429706	2.609151	1.3666	.00302
12	0.448716	2.419085	1.2711	.00178
14	0.463752	2.287825	1.2011	.00103
16	0.475981	2.191356	1.1466	.00057
18	0.486143	2.117766	1.1033	.00029
20	0.494736	2.059375	1.0667	.00013
25	0.511392	1.955447	1.0000	.00000
30	0.523478	1.886818	0.9533	.00007
35	0.532669	1.838013	0.9119	.00002
40	0.539905	1.801493	0.8922	.00004
45	0.545755	1.773106	0.8711	.00005
50	0.550585	1.750397	0.8533	.00007
55	0.554642	1.731810	0.8399	.00009
60	0.558099	1.716313	0.8266	.00010

CONFIDENCE LEVEL=.9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
30				
1	0.1462242	83.9723110	6.2231	1.09357
2	0.2305559	12.305691	3.514	1.04774
3	0.285737	6.566545	2.649	1.02915
4	0.3225348	4.769191	2.223	1.01968
5	0.3555582	3.915383	1.966	1.01410
6	0.379641	3.419620	1.792	1.01050
7	0.3993370	3.095916	1.665	1.00802
8	0.415918	2.867748	1.568	1.00623
9	0.430045	2.698055	1.490	1.00491
10	0.442277	2.566753	1.427	1.00390
12	0.462473	2.376455	1.330	1.00250
14	0.478550	2.244836	1.257	1.00161
16	0.491649	2.148139	1.201	1.00103
18	0.502596	2.073956	1.156	1.00064
20	0.511386	2.015160	1.119	1.00038
25	0.529993	1.910301	1.049	1.00007
30	0.543221	1.840372	1.000	1.00000
35	0.553337	1.791389	0.963	1.00004
40	0.561339	1.754279	0.933	1.00001
45	0.567832	1.725383	0.912	1.00002
50	0.573212	1.702242	0.894	1.00003
55	0.577745	1.683271	0.878	1.00005
60	0.581617	1.667435	0.865	1.00006

CONFIDENCE LEVEL = .9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
35				
1	0.148114	83.758352	6.345	1.09310
2	0.233322	12.250953	3.589	1.04839
3	0.290131	6.532756	2.713	1.03036
4	0.3330707	4.735049	2.281	1.02033
5	0.3661783	3.983280	2.020	1.01517
6	0.386591	3.388473	1.844	1.01149
7	0.406994	3.065225	1.716	1.00804
8	0.424153	2.832724	1.617	1.00708
9	0.438839	2.666759	1.539	1.00569
10	0.451585	2.536242	1.475	1.00462
12	0.472699	2.345700	1.376	1.00313
14	0.489552	2.213749	1.302	1.00213
16	0.503371	2.116693	1.245	1.00146
18	0.514941	2.042143	1.198	1.00100
20	0.524788	1.983001	1.160	1.00067
25	0.544064	1.877333	1.089	1.00022
30	0.558226	1.807216	1.038	1.00004
35	0.569107	1.757140	1.000	1.00000
40	0.577746	1.719519	0.970	1.00003
45	0.584782	1.690185	0.947	1.00009
50	0.590627	1.666652	0.927	1.00017
55	0.595565	1.647341	0.911	1.00026
60	0.599792	1.631204	0.897	1.00036

CONFIDENCE LEVEL = .9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
40	1 0.149531	83.559841	6.432	.09595
	2 0.236296	12.210160	3.647	.04994
	3 0.293473	6.458439	2.762	.03130
	4 0.334790	4.709490	2.326	.02172
	5 0.366518	3.859207	2.063	.01601
	6 0.391508	3.365087	1.886	.01228
	7 0.412937	3.042152	1.756	.00968
	8 0.430477	2.814291	1.657	.00778
	9 0.445603	2.644642	1.578	.00634
	10 0.458757	2.513226	1.513	.00523
	12 0.480601	2.322453	1.413	.00364
	14 0.498093	2.150209	1.333	.00258
	16 0.512478	2.009239	1.280	.00185
	18 0.524553	2.017933	1.233	.00133
	20 0.534855	1.958534	1.194	.00096
	25 0.555095	1.852177	1.121	.00040
	30 0.570035	1.781456	1.069	.00014
	35 0.581558	1.730364	1.030	.00003
	40 0.590738	1.692797	1.000	.00000
	45 0.598236	1.663075	0.975	.00002
	50 0.604481	1.639200	0.955	.00006
	55 0.609768	1.619538	0.938	.00012
	60 0.614304	1.603131	0.924	.00019

CONFIDENCE LEVEL = .9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
45	1 0.150640	83.477724	6.501	.09661
	2 0.233823	12.217833	3.693	.05068
	3 0.296099	6.473831	2.802	.03204
	4 0.338005	4.699639	2.363	.02249
	5 0.370252	3.840488	2.098	.01669
	6 0.396108	3.346332	1.919	.01292
	7 0.417460	3.024173	1.789	.01039
	8 0.435486	2.796335	1.689	.00833
	9 0.450969	2.626723	1.609	.00688
	10 0.464454	2.495249	1.544	.00574
	12 0.486893	2.304260	1.443	.00409
	14 0.504909	2.171757	1.368	.00298
	16 0.519760	2.074117	1.309	.00230
	18 0.532253	1.998990	1.262	.00164
	20 0.542934	1.939280	1.223	.00123
	25 0.563582	1.832325	1.149	.00058
	30 0.579580	1.761083	1.096	.00025
	35 0.591651	1.710040	1.056	.00009
	40 0.601296	1.671532	1.025	.00002
	45 0.609193	1.641316	1.000	.00000
	50 0.615786	1.617339	0.979	.00001
	55 0.621378	1.597459	0.962	.00003
	60 0.626184	1.580813	0.947	.00009

CONFIDENCE LEVEL = .9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
50				
1	0.1511532	83.380767	6.5536	1.09714
2	0.2339802	12.153430	3.731	1.05128
3	0.2998217	6.457822	2.834	1.03264
4	0.340602	4.673777	2.363	1.02301
5	0.373273	3.925515	2.127	1.01725
6	0.399310	3.332309	1.947	1.01346
7	0.421208	3.009763	1.816	1.01079
8	0.439553	2.782028	1.716	1.00883
9	0.455330	2.612344	1.636	1.00734
10	0.469088	2.480802	1.570	1.00617
12	0.492022	2.299631	1.469	1.00448
14	0.510475	2.156302	1.393	1.00333
16	0.525717	2.055026	1.334	1.00251
18	0.5383562	1.983665	1.287	1.00192
20	0.549563	1.923729	1.247	1.00147
25	0.5771293	1.816231	1.172	1.00076
30	0.587463	1.744354	1.139	1.00059
35	0.600005	1.693115	1.109	1.00047
40	0.610054	1.653411	1.047	1.00006
45	0.618300	1.622941	1.021	1.00001
50	0.6225197	1.599495	1.000	1.00000
55	0.631058	1.579376	0.982	1.00001
60	0.6336103	1.562515	0.967	1.00003

CONFIDENCE LEVEL=.9
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
55				
1	0.1522266	83.301330	6.603	1.09758
2	0.241089	12.132911	3.762	1.05173
3	0.2999962	6.443100	2.865	1.03314
4	0.342743	4.660812	2.413	1.02350
5	0.375766	3.812267	2.151	1.01772
6	0.402321	3.332037	1.970	1.01391
7	0.4243309	3.037368	1.839	1.01122
8	0.442920	2.770253	1.733	1.00924
9	0.458944	2.600550	1.652	1.00773
10	0.472932	2.468950	1.592	1.00654
12	0.496284	2.277611	1.491	1.00499
14	0.515107	2.144684	1.415	1.00363
16	0.530681	2.046600	1.355	1.00279
18	0.543828	1.971035	1.303	1.00217
20	0.555103	1.910900	1.268	1.00170
25	0.577430	1.802966	1.193	1.00093
30	0.594081	1.730863	1.139	1.00051
35	0.607039	1.679079	1.098	1.00026
40	0.617441	1.639968	1.066	1.00012
45	0.625994	1.609327	1.040	1.00005
50	0.633162	1.584640	1.013	1.00001
55	0.639261	1.564305	1.000	1.00000
60	0.644520	1.547251	0.984	1.00001

CONFIDENCE LEVEL=.9
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUC TION
60	0.242166	12.115853	3.789	1.05220
2	0.301424	6.430850	2.884	1.03356
3	0.344539	4.650016	2.435	1.02391
4	0.377859	3.803061	2.171	1.01812
5	0.404682	3.310431	1.990	1.01429
6	0.426916	2.988124	1.858	1.01159
7	0.445754	2.760435	1.757	1.00959
8	0.461988	2.590700	1.677	1.00807
9	0.476172	2.459047	1.611	1.00687
10	0.499881	2.267558	1.509	1.00511
11	0.519022	2.134455	1.433	1.00391
12	0.534883	2.036190	1.374	1.00304
14	0.548289	1.960445	1.326	1.00239
16	0.559802	1.900136	1.296	1.00190
18	0.582644	1.791793	1.210	1.00109
20	0.599724	1.719345	1.156	1.00063
25	0.613044	1.667244	1.115	1.00036
30	0.623760	1.627359	1.083	1.00019
35	0.632586	1.596475	1.056	1.00006
40	0.639994	1.572072	1.034	1.00003
45	0.646307	1.551543	1.016	1.00001
50	0.651757	1.534314	1.000	1.00000
55				
60				

CONFIDENCE LEVEL = .9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.0001544	647.786011	1.0000	0.00000
2	0.0002183	57.536219	0.512	0.01550
3	0.0002500	27.847000	0.361	0.03245
4	0.0003670	19.784736	0.291	0.04427
5	0.0003775	16.236232	0.251	0.05250
6	0.0003845	14.277513	0.225	0.05845
7	0.0003894	13.046022	0.208	0.06292
9	0.0003950	12.203490	0.195	0.06639
9	0.0003958	11.592171	0.185	0.06915
10	0.0003990	11.128936	0.178	0.07140
12	0.0004012	10.474647	0.166	0.07434
14	0.0004035	10.035141	0.159	0.07734
16	0.0004052	9.719396	0.153	0.07923
18	0.0004064	9.482848	0.148	0.08072
20	0.0004075	9.298174	0.145	0.08192
25	0.0004092	8.976531	0.139	0.08409
30	0.0004104	8.769499	0.135	0.08555
35	0.0004112	8.625140	0.132	0.08660
40	0.0004118	8.518755	0.130	0.08738
45	0.0004123	8.437104	0.128	0.08800
50	0.0004127	8.372467	0.127	0.08849
55	0.0004130	8.320014	0.126	0.08890
60	0.0004132	8.276616	0.125	0.08923

CONFIDENCE LEVEL=.95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.017330	456.970852	1.952	0.01550
3	0.025641	29.000000	1.000	0.00000
3	0.030093	18.432568	0.703	0.00298
4	0.032765	12.997747	0.564	0.01003
5	0.034516	10.473503	0.484	0.01544
6	0.035742	9.139453	0.422	0.01991
7	0.036645	8.302287	0.397	0.02356
8	0.037335	7.730388	0.371	0.02657
9	0.037879	7.315383	0.351	0.02903
10	0.038318	7.002091	0.335	0.03119
12	0.038982	6.555170	0.312	0.03454
14	0.039461	6.261933	0.296	0.03708
16	0.039822	6.048871	0.284	0.03905
18	0.040103	5.888740	0.275	0.04064
20	0.040328	5.764037	0.267	0.04193
25	0.040735	5.546924	0.255	0.04433
30	0.041007	5.407253	0.246	0.04598
35	0.041201	5.309898	0.240	0.04718
40	0.041346	5.238147	0.236	0.04809
45	0.041459	5.183093	0.232	0.04881
50	0.041550	5.139517	0.230	0.04939
55	0.041624	5.104166	0.227	0.04986
60	0.041686	5.074914	0.225	0.05026

CONFIDENCE LEVEL=.95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
3	1 0.035910	400.0075453	2.768	1.03245
	2 0.054252	33.229771	1.422	1.00398
	3 0.064770	13.439183	1.000	1.00000
	4 0.071406	10.680322	0.800	1.00149
	5 0.075925	8.602512	0.685	1.000417
	6 0.079186	7.461230	0.610	1.000691
	7 0.081643	6.745892	0.558	1.000942
	8 0.083559	6.257613	0.520	1.011664
	9 0.085092	5.903916	0.491	1.013558
10	0.086347	5.636269	0.468	1.015229
11	0.087275	5.458639	0.433	1.018110
12	0.0889687	5.3005320	0.409	1.021031
13	0.090765	4.823775	0.392	1.023203
14	0.091614	4.687337	0.378	1.025354
15	0.092301	4.581132	0.367	1.027475
20	0.093552	4.356212	0.348	1.032703
25	0.094596	4.277263	0.335	1.038663
30	0.095005	4.194348	0.326	1.042932
40	0.095464	4.133235	0.319	1.03073
45	0.095323	4.086375	0.314	1.03346
50	0.096112	4.049267	0.310	1.03304
55	0.096348	4.019164	0.307	1.033253
60	0.096546	3.994254	0.304	1.03294

CONFIDENCE LEVEL = .95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
4	1 0.050544	374.465381	3.439	1.04427
	2 0.077533	30.520113	1.774	1.01003
	3 0.093630	14.004511	1.250	1.00149
	4 0.104118	9.604530	1.000	1.00000
	5 0.111445	7.687313	0.855	1.00070
	6 0.116838	6.635425	0.761	1.00209
	7 0.120969	5.976550	0.695	1.00364
	8 0.124231	5.526989	0.646	1.00517
	9 0.126872	5.201415	0.609	1.00659
10	0.129052	4.955084	0.579	1.00739
11	0.132440	4.607562	0.535	1.01015
12	0.134951	4.374448	0.504	1.01200
13	0.136885	4.207377	0.481	1.01353
14	0.138421	4.081823	0.463	1.01481
15	0.139669	3.984060	0.449	1.01590
20	0.141962	3.813341	0.424	1.01799
25	0.143524	3.704329	0.407	1.01950
30	0.144657	3.627982	0.395	1.02063
40	0.145515	3.571721	0.386	1.02150
45	0.146188	3.528545	0.380	1.02221
50	0.146730	3.494365	0.374	1.02278
55	0.147176	3.466636	0.370	1.02326
60	0.147549	3.443689	0.366	1.02366

CONFIDENCE LEVEL = .95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.061591	360.339161	3.9871	.015250
1	0.0095479	28.971321	2.067	.01544
3	0.0116245	13.170881	1.460	.00417
4	0.0130084	8.973073	1.169	.00070
5	0.0139931	7.146382	1.000	.00000
6	0.0147286	6.144325	0.889	.00038
7	0.0152987	5.517677	0.811	.00019
8	0.0157534	5.089822	0.754	.00015
9	0.0161245	4.779977	0.709	.00013
10	0.0164331	4.545538	0.674	.00040
12	0.0169169	4.214753	0.621	.00053
14	0.0172797	3.992830	0.584	.00073
16	0.0175594	3.833743	0.556	.00086
18	0.0177837	3.714167	0.535	.00097
20	0.0179669	3.621033	0.518	.00107
25	0.0183055	3.458836	0.487	.00126
30	0.0185378	3.354447	0.467	.00140
35	0.0187070	3.281651	0.453	.00150
40	0.0188358	3.227995	0.442	.00153
45	0.0189371	3.186809	0.433	.00165
50	0.0190189	3.154200	0.427	.00171
55	0.0190862	3.127742	0.421	.00176
60	0.0191427	3.105845	0.417	.00180

CONFIDENCE LEVEL=.95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.070040	351.528403	4.437	.05843
1	0.0109416	27.977992	2.313	.01991
3	0.0134025	12.628521	1.639	.00691
4	0.0150706	8.558853	1.314	.00209
5	0.0162739	6.739504	1.124	.00038
6	0.0171828	5.819757	1.000	.00000
7	0.0178940	5.212600	0.912	.00023
8	0.0184657	4.798374	0.847	.00074
9	0.0189353	4.498371	0.796	.00137
10	0.0193282	4.271348	0.756	.00204
12	0.0199482	3.950957	0.696	.00338
14	0.0204155	3.735926	0.653	.00460
16	0.0207804	3.581733	0.622	.00569
18	0.0210732	3.465801	0.597	.00665
20	0.0213134	3.375479	0.577	.00749
25	0.0217759	3.218119	0.542	.00919
30	0.0220680	3.116793	0.518	.01047
35	0.0222935	3.046105	0.501	.01145
40	0.0224657	2.993383	0.489	.01224
45	0.0226015	2.953973	0.479	.01288
50	0.0227113	2.922284	0.471	.01341
55	0.0228019	2.896569	0.465	.01385
60	0.0228780	2.875282	0.460	.01423

CONFIDENCE LEVEL=.95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.076652	345.562509	4.813	1.06292
1	0.120449	27.289057	2.521	1.02356
2	0.148238	12.248425	1.791	1.00942
3	0.167321	8.266601	1.439	1.00364
4	0.181236	6.536507	1.232	1.00119
5	0.191843	5.588472	1.096	1.00023
6	0.200204	4.994909	1.000	1.00000
7	0.206968	4.589914	0.928	1.00015
8	0.212556	4.296547	0.872	1.00049
9	0.217252	4.074502	0.828	1.00092
10	0.224707	3.761041	0.762	1.00190
12	0.230362	3.550572	0.714	1.00287
14	0.234802	3.399591	0.679	1.00377
16	0.238380	3.286033	0.651	1.00459
18	0.241325	3.197532	0.629	1.00532
20	0.246826	3.043272	0.589	1.00684
25	0.250643	2.943886	0.563	1.00800
30	0.253447	2.874520	0.544	1.00892
35	0.255594	2.823358	0.530	1.00966
40	0.257292	2.784066	0.519	1.01026
45	0.258667	2.752942	0.510	1.01077
50	0.259804	2.727679	0.502	1.01119
55	0.260760	2.706763	0.496	1.01156
60				

CONFIDENCE LEVEL=.95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
8	0.081944	341.279189	5.129	1.06639
1	0.129360	26.784699	2.698	1.02657
2	0.159805	11.967661	1.923	1.01164
3	0.180930	8.049519	1.548	1.00517
4	0.196471	6.347833	1.327	1.00215
5	0.208404	5.415437	1.181	1.00074
6	0.217869	4.831653	1.077	1.00015
7	0.225568	4.433260	1.000	1.00000
8	0.231957	4.144612	0.940	1.00010
9	0.237347	3.926089	0.892	1.00034
10	0.245947	3.617494	0.820	1.00101
12	0.252509	3.410197	0.768	1.00176
14	0.257683	3.261426	0.729	1.00249
16	0.261869	3.149487	0.699	1.00318
18	0.265327	3.062217	0.675	1.00382
20	0.271809	2.910024	0.631	1.00517
25	0.276329	2.811908	0.602	1.00623
30	0.279662	2.743394	0.581	1.00708
35	0.282221	2.692841	0.565	1.00777
40	0.284248	2.654003	0.553	1.00834
45	0.285894	2.623230	0.543	1.00882
50	0.287256	2.598247	0.533	1.00923
55	0.288403	2.577560	0.529	1.00958
60				

CONFIDENCE LEVEL=.95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.086265	338.066263	5.398	1.06915
2	0.136689	26.400155	2.851	1.02508
3	0.169379	11.751994	2.038	1.01358
4	0.192255	7.881990	1.643	1.00659
5	0.209206	6.201733	1.410	1.00313
6	0.222303	5.281128	1.256	1.00137
7	0.232745	4.704634	1.146	1.00049
8	0.241277	4.311148	1.064	1.00010
9	0.248386	4.025994	1.000	1.00000
10	0.254404	3.810064	0.949	1.00007
12	0.264048	3.505020	0.872	1.00048
14	0.271442	3.300009	0.816	1.00103
16	0.277296	3.152313	0.775	1.00162
18	0.282049	3.042012	0.742	1.00220
20	0.285984	2.955598	0.716	1.00275
25	0.293393	2.804318	0.669	1.00394
30	0.298581	2.707548	0.637	1.00491
35	0.302419	2.639589	0.615	1.00569
40	0.305374	2.589424	0.597	1.00634
45	0.307718	2.550871	0.584	1.00688
50	0.309625	2.520315	0.573	1.00733
55	0.311205	2.495502	0.565	1.00772
60	0.312537	2.474951	0.557	1.00806

CONFIDENCE LEVEL=.95
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.089855	335.573227	5.630	1.07140
2	0.142814	26.097600	2.985	1.03119
3	0.177422	11.581242	2.139	1.01529
4	0.201813	7.748825	1.727	1.00739
5	0.219996	6.085265	1.484	1.00409
6	0.234118	5.173798	1.323	1.00204
7	0.245429	4.602949	1.208	1.00092
8	0.254706	4.213238	1.121	1.00034
9	0.262463	3.930754	1.054	1.00007
10	0.269049	3.716792	1.000	1.00000
12	0.279644	3.414419	0.919	1.00018
14	0.287803	3.211102	0.860	1.00057
16	0.294285	3.065056	0.816	1.00103
18	0.299564	2.955076	0.781	1.00151
20	0.303946	2.869269	0.753	1.00197
25	0.312225	2.719467	0.703	1.00302
30	0.318046	2.622761	0.669	1.00390
35	0.322364	2.555160	0.645	1.00462
40	0.325697	2.505237	0.626	1.00523
45	0.328347	2.466857	0.612	1.00574
50	0.330504	2.436428	0.600	1.00617
55	0.332295	2.411712	0.591	1.00654
60	0.333306	2.391236	0.583	1.00686

CONFIDENCE LEVEL=.95
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
12	1 0.0955469	331.966641	6.009	1.07484
	2 0.152458	25.652597	3.206	1.03454
	3 0.190163	11.328223	2.307	1.01810
	4 0.217035	7.550567	1.869	1.01015
	5 0.237262	5.911257	1.609	1.00585
	6 0.253103	5.012993	1.437	1.00338
	7 0.265884	4.450245	1.313	1.00190
	8 0.276434	4.065908	1.220	1.00101
	9 0.285305	3.787190	1.147	1.00048
	10 0.292876	3.575978	1.089	1.00018
	12 0.305131	3.277277	1.000	1.00000
	14 0.314640	3.076236	0.936	1.00011
	16 0.322242	2.931695	0.887	1.00035
	18 0.328463	2.822759	0.849	1.00066
	20 0.333653	2.737702	0.819	1.00098
	25 0.343515	2.589047	0.763	1.00178
	30 0.350499	2.492949	0.725	1.00250
	35 0.355708	2.425698	0.697	1.00311
	40 0.359745	2.375939	0.677	1.00364
	45 0.362966	2.337744	0.660	1.00409
	50 0.365596	2.307404	0.647	1.00448
	55 0.367784	2.282746	0.637	1.00482
	60 0.369633	2.262310	0.628	1.00511

CONFIDENCE LEVEL=.95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
14	1 0.099650	329.491131	6.305	1.07734
	2 0.159695	25.341484	3.381	1.03708
	3 0.199787	11.149880	2.442	1.02031
	4 0.228600	7.410093	1.984	1.01200
	5 0.250449	5.787483	1.712	1.00737
	6 0.267671	4.898248	1.530	1.00460
	7 0.281645	4.340389	1.400	1.00287
	8 0.293238	3.960253	1.302	1.00176
	9 0.303029	3.684025	1.225	1.00103
	10 0.311420	3.474604	1.163	1.00057
	12 0.325073	3.178238	1.068	1.00011
	14 0.335730	2.978588	1.000	1.00000
	16 0.344293	2.834923	0.948	1.00007
	18 0.351333	2.726562	0.907	1.00023
	20 0.357227	2.641893	0.874	1.00044
	25 0.368487	2.493757	0.813	1.00104
	30 0.376510	2.397865	0.772	1.00161
	35 0.382524	2.330684	0.742	1.00213
	40 0.387201	2.280932	0.719	1.00258
	45 0.390944	2.242712	0.702	1.00298
	50 0.394008	2.212333	0.687	1.00333
	55 0.396562	2.197630	0.675	1.00364
	60 0.398725	2.167146	0.665	1.00391

CONFIDENCE LEVEL=.95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
16	1 0.102882	327.691015	6.542	1.07923
	2 0.165320	25.111975	3.523	1.03905
	3 0.207307	11.017484	2.553	1.02208
	4 0.237678	7.305386	2.079	1.01353
	5 0.260842	5.694939	1.797	1.00867
	6 0.279194	4.812233	1.609	1.00569
	7 0.294153	4.258916	1.473	1.00377
	8 0.306614	3.880734	1.371	1.00249
	9 0.317177	3.606250	1.291	1.00162
	10 0.326258	3.398063	1.226	1.00103
	12 0.341100	3.103262	1.127	1.00035
	14 0.352743	2.904499	1.055	1.00007
	16 0.362141	2.761359	1.000	1.00000
	18 0.369894	2.653313	0.957	1.00005
	20 0.376407	2.568833	0.921	1.00016
	25 0.388905	2.420877	0.857	1.00058
	30 0.397860	2.324975	0.813	1.00103
	35 0.404600	2.257714	0.781	1.00146
	40 0.409860	2.207908	0.756	1.00185
	45 0.414080	2.169530	0.737	1.00220
	50 0.417543	2.139045	0.722	1.00252
	55 0.420436	2.114242	0.709	1.00279
	60 0.422390	2.093365	0.698	1.00304

CONFIDENCE LEVEL = .95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
18	1 0.105454	326.325047	6.736	1.08072
	2 0.169816	24.935802	3.640	1.04064
	3 0.213340	10.915344	2.646	1.02354
	4 0.244988	7.224343	2.159	1.01481
	5 0.269239	5.623133	1.869	1.00979
	6 0.288534	4.745363	1.675	1.00665
	7 0.304318	4.154989	1.536	1.00459
	8 0.317512	3.818699	1.430	1.00318
	9 0.328730	3.545489	1.347	1.00220
	10 0.338401	3.338189	1.280	1.00151
	12 0.354263	3.044480	1.177	1.00066
	14 0.366762	2.846300	1.103	1.00023
	16 0.376887	2.703475	1.045	1.00005
	18 0.385269	2.595592	1.000	1.00000
	20 0.392328	2.511185	0.963	1.00003
	25 0.405931	2.363215	0.895	1.00029
	30 0.415724	2.267184	0.849	1.00064
	35 0.423122	2.199763	0.815	1.00100
	40 0.428913	2.149794	0.789	1.00133
	45 0.433572	2.111263	0.769	1.00154
	50 0.437403	2.080636	0.752	1.00192
	55 0.440609	2.055704	0.738	1.00217
	60 0.443331	2.035010	0.727	1.00240

CONFIDENCE LEVEL = .95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
20	1 0.107548	3 25.254097	6.897	1.08192
	2 0.173490	24.796364	3.739	1.04193
	3 0.218287	10.834170	2.724	1.02475
	4 0.251000	7.159766	2.227	1.01590
	5 0.276164	5.565798	1.931	1.01075
	6 0.296254	4.691874	1.733	1.00749
	7 0.312741	4.143781	1.590	1.00532
	8 0.326561	3.768940	1.482	1.00382
	9 0.338341	3.496693	1.396	1.00275
	10 0.348521	3.290053	1.327	1.00197
	12 0.365270	2.997128	1.222	1.00098
	14 0.378517	2.799339	1.144	1.00044
	16 0.389282	2.656699	1.085	1.00016
	18 0.398218	2.548887	1.038	1.00003
	20 0.405764	2.464484	1.000	1.00000
	25 0.420356	2.316389	0.926	1.00013
	30 0.430907	2.220162	0.881	1.00039
	35 0.438905	2.152536	0.845	1.00067
	40 0.445133	2.102374	0.818	1.00096
	45 0.450245	2.063664	0.796	1.00123
	50 0.454415	2.032878	0.779	1.00147
	55 0.457910	2.007802	0.765	1.00170
	60 0.460833	1.986979	0.752	1.00190

CONFIDENCE LEVEL=.95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
25	1 0.111402	3 23.375976	7.203	1.08409
	2 0.180280	24.548811	3.928	1.04433
	3 0.227469	10.689298	2.875	1.02703
	4 0.262203	7.044118	2.360	1.01799
	5 0.289115	5.462844	2.052	1.01264
	6 0.310741	4.595610	1.946	1.00919
	7 0.328594	4.051439	1.697	1.00684
	8 0.343640	3.679051	1.584	1.00517
	9 0.356529	3.408399	1.495	1.00394
	10 0.367719	3.202820	1.422	1.00302
	12 0.386243	2.911085	1.311	1.00178
	14 0.401001	2.713802	1.230	1.00104
	16 0.413074	2.571319	1.167	1.00058
	18 0.423152	2.463475	1.117	1.00029
	20 0.431706	2.378936	1.076	1.00013
	25 0.448370	2.230302	1.000	1.00000
	30 0.460528	2.133465	0.947	1.00007
	35 0.469812	2.065256	0.908	1.00022
	40 0.477143	2.014560	0.879	1.00040
	45 0.483084	1.975374	0.855	1.00058
	50 0.487999	1.944162	0.835	1.00076
	55 0.492133	1.918707	0.819	1.00093
	60 0.495662	1.897544	0.806	1.00110

CONFIDENCE LEVEL=.95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
30 1	0.114032	322.159805	7.419	1.08555
2	0.184937	24.386285	4.063	1.04598
3	0.233794	10.593623	2.984	1.02863
4	0.269954	6.967454	2.457	1.01950
5	0.298112	5.394391	2.141	1.01403
6	0.320843	4.531440	1.930	1.01047
7	0.339687	3.989743	1.777	1.00800
8	0.355630	3.618868	1.661	1.00623
9	0.369338	3.349171	1.569	1.00491
10	0.381278	3.144201	1.494	1.00390
12	0.401131	2.853078	1.380	1.00250
14	0.417038	2.655970	1.295	1.00161
16	0.430112	2.513444	1.230	1.00103
18	0.441076	2.405443	1.178	1.00054
20	0.450418	2.320688	1.135	1.00039
25	0.468721	2.171419	1.056	1.00007
30	0.482173	2.073944	1.000	1.00000
35	0.492506	2.005146	0.959	1.00004
40	0.500705	1.953925	0.927	1.00014
45	0.507377	1.914271	0.901	1.00025
50	0.512916	1.882644	0.881	1.00038
55	0.517591	1.856820	0.863	1.00051
60	0.521591	1.835327	0.849	1.00063

CONFIDENCE LEVEL = .95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
35 1	0.115940	321.308932	7.579	1.08660
2	0.183323	24.271451	4.164	1.04718
3	0.238416	10.525751	3.067	1.02982
4	0.275635	6.912914	2.530	1.02063
5	0.304725	5.345586	2.209	1.01509
6	0.328288	4.485605	1.994	1.01145
7	0.347884	3.945601	1.839	1.00892
8	0.364512	3.575743	1.721	1.00708
9	0.378847	3.306669	1.627	1.00569
10	0.391365	3.102079	1.551	1.00462
12	0.412252	2.811292	1.434	1.00311
14	0.429059	2.614218	1.348	1.00213
16	0.442926	2.471576	1.281	1.00146
18	0.454594	2.363384	1.227	1.00100
20	0.464568	2.278399	1.183	1.00067
25	0.484202	2.128510	1.101	1.00022
30	0.498717	2.030433	1.043	1.00004
35	0.509921	1.961089	1.000	1.00000
40	0.518848	1.909381	0.967	1.00003
45	0.526139	1.869296	0.940	1.00009
50	0.532210	1.837285	0.918	1.00017
55	0.537348	1.811119	0.900	1.00026
60	0.541754	1.789321	0.884	1.00036

CONFIDENCE LEVEL = .95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
40	1 0.117388	3 20.680600	7.703	1.03738
	2 0.190907	24.186023	4.242	1.04809
	3 0.241940	10.475100	3.132	1.03073
	4 0.279977	6.872132	2.588	1.02150
	5 0.309790	5.309034	2.263	1.01592
	6 0.334003	4.451227	2.046	1.01224
	7 0.354188	3.912452	1.888	1.00966
	8 0.371355	3.543313	1.768	1.00777
	9 0.386186	3.274678	1.674	1.00634
	10 0.399164	3.070340	1.597	1.00523
	12 0.420877	2.779746	1.478	1.00364
	14 0.438408	2.582641	1.390	1.00258
	16 0.452917	2.439859	1.322	1.00185
	18 0.465161	2.331473	1.267	1.00133
	20 0.475653	2.246270	1.223	1.00096
	25 0.496386	2.095807	1.138	1.00040
	30 0.511790	1.997134	1.079	1.00014
	35 0.523730	1.927346	1.035	1.00003
	40 0.533277	1.875197	1.000	1.00000
	45 0.541098	1.834720	0.972	1.00002
	50 0.547628	1.802362	0.949	1.00006
	55 0.553167	1.775884	0.930	1.00012
	60 0.557927	1.753806	0.914	1.00019

CONFIDENCE LEVEL=.95
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
45	1 0.118524	3 20.157773	7.801	1.08800
	2 0.192935	24.119996	4.305	1.04881
	3 0.244716	10.435358	3.183	1.03146
	4 0.283403	6.840486	2.635	1.02221
	5 0.313793	5.280635	2.307	1.01655
	6 0.338527	4.424489	2.087	1.01238
	7 0.359187	3.886642	1.929	1.01026
	8 0.376789	3.518049	1.808	1.00834
	9 0.392023	3.249725	1.712	1.00688
	10 0.405374	3.045562	1.634	1.00574
	12 0.427763	2.755079	1.514	1.00409
	14 0.445889	2.557914	1.425	1.00298
	16 0.460929	2.414989	1.356	1.00220
	18 0.473650	2.306420	1.301	1.00164
	20 0.484575	2.221015	1.256	1.00123
	25 0.506233	2.070033	1.170	1.00058
	30 0.522392	1.970921	1.109	1.00025
	35 0.534961	1.900640	1.064	1.00009
	40 0.545042	1.848095	1.029	1.00002
	45 0.553322	1.807266	1.000	1.00000
	50 0.560252	1.774592	0.976	1.00001
	55 0.566142	1.747832	0.957	1.00005
	60 0.571214	1.725501	0.940	1.00009

CONFIDENCE LEVEL=.95
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
50				
1	0.119439	319.815230	7.881	1.08849
2	0.194571	24.067439	4.336	1.04939
3	0.246958	10.404563	3.226	1.03204
4	0.286175	6.815217	2.673	1.02278
5	0.317038	5.257935	2.343	1.01715
6	0.342198	4.403097	2.122	1.01341
7	0.363248	3.865976	1.962	1.01077
8	0.381209	3.497801	1.840	1.00882
9	0.396776	3.229715	1.744	1.00733
10	0.410437	3.025680	1.665	1.00617
12	0.433387	2.735261	1.545	1.00448
14	0.452011	2.538023	1.455	1.00333
16	0.467498	2.394960	1.386	1.00252
18	0.480622	2.286222	1.330	1.00192
20	0.491913	2.200634	1.284	1.00147
25	0.514360	2.049186	1.197	1.00076
30	0.531168	1.949635	1.136	1.00038
35	0.544281	1.878953	1.089	1.00017
40	0.554828	1.826058	1.053	1.00006
45	0.563510	1.784911	1.024	1.00001
50	0.570791	1.751953	1.000	1.00000
55	0.576992	1.724938	0.980	1.00001
60	0.582340	1.702376	0.962	1.00003

CONFIDENCE LEVEL = .95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
55				
1	0.120192	319.504692	7.947	1.08890
2	0.195918	24.024616	4.399	1.04986
3	0.248808	10.379024	3.261	1.03253
4	0.288464	6.794574	2.705	1.02326
5	0.319719	5.239375	2.373	1.01761
6	0.345236	4.385594	2.151	1.01385
7	0.366612	3.849056	1.990	1.01119
8	0.384875	3.481212	1.868	1.00923
9	0.400721	3.213311	1.771	1.00772
10	0.414643	3.009371	1.692	1.00654
12	0.438069	2.718996	1.571	1.00482
14	0.457116	2.521672	1.481	1.00364
16	0.472983	2.378481	1.411	1.00279
18	0.486451	2.269588	1.354	1.00217
20	0.498057	2.183835	1.308	1.00170
25	0.521184	2.031969	1.220	1.00093
30	0.538555	1.932026	1.158	1.00051
35	0.552145	1.860992	1.112	1.00026
40	0.563100	1.807774	1.075	1.00012
45	0.572137	1.766340	1.045	1.00005
50	0.579731	1.733126	1.021	1.00001
55	0.586208	1.705879	1.000	1.00000
60	0.591803	1.683108	0.982	1.00001

CONFIDENCE LEVEL = .95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
60	1 0.120822	3 19.247614	8.003	1.08923
	2 0.197048	23.989052	4.435	1.05026
	3 0.250360	10.357786	3.292	1.03294
	4 0.290386	6.777394	2.733	1.02366
	5 0.321974	5.223918	2.399	1.01800
	6 0.347792	4.371007	2.176	1.01423
	7 0.369445	3.834947	2.014	1.01156
	8 0.387964	3.467373	1.892	1.00958
	9 0.404048	3.199619	1.794	1.00806
	10 0.418194	2.995752	1.715	1.00686
	12 0.442026	2.705382	1.593	1.00511
	14 0.461436	2.507993	1.503	1.00391
	16 0.477631	2.364682	1.432	1.00304
	18 0.491398	2.255649	1.376	1.00240
	20 0.503277	2.169746	1.323	1.00190
	25 0.526997	2.017506	1.241	1.00110
	30 0.544862	1.917210	1.178	1.00063
	35 0.558871	1.845857	1.131	1.00036
	40 0.570188	1.792350	1.094	1.00019
	45 0.579542	1.750658	1.064	1.00009
	50 0.587414	1.717210	1.039	1.00003
	55 0.594139	1.689753	1.018	1.00001
	60 0.599955	1.666791	1.000	1.00000

CONFIDENCE LEVEL=.95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.0000386	593.157068	1.0000	1.000000
2	0.0000551	117.518342	0.506	1.01334
3	0.0000634	46.324771	0.350	1.02956
4	0.0000681	29.941493	0.277	1.03945
5	0.0000710	23.293546	0.236	1.04712
6	0.0000729	19.798581	0.210	1.05270
7	0.0000743	17.671127	0.191	1.05690
8	0.0000753	16.249369	0.178	1.06016
9	0.0000760	15.235697	0.168	1.06275
10	0.0000767	14.478093	0.160	1.06487
12	0.0000775	13.423602	0.149	1.06810
14	0.0000781	12.726222	0.141	1.07045
16	0.0000786	12.231405	0.135	1.07222
18	0.0000789	11.862426	0.131	1.07362
20	0.0000792	11.576903	0.127	1.07474
25	0.0000797	11.083555	0.121	1.07677
30	0.0000800	10.768763	0.117	1.07814
35	0.0000802	10.550619	0.114	1.07912
40	0.0000804	10.390432	0.112	1.07995
45	0.0000805	10.267936	0.111	1.08043
50	0.0000806	10.171180	0.109	1.08089
55	0.0000807	10.092395	0.108	1.08126
60	0.0000808	10.028141	0.107	1.08158

CONFIDENCE LEVEL = .975
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.008509	1814.470236	1.975	1.01334
3	0.012658	78.999990	1.000	1.000000
4	0.014969	30.360227	0.691	1.00369
5	0.016379	19.295986	0.545	1.00541
6	0.017310	14.835648	0.462	1.01459
7	0.017963	12.500632	0.408	1.01889
8	0.018445	11.083573	0.372	1.02243
9	0.018813	10.138437	0.345	1.02534
10	0.019102	9.465788	0.324	1.02777
12	0.019336	8.963681	0.308	1.02981
14	0.019689	8.265831	0.284	1.03306
16	0.019943	7.804932	0.268	1.03551
18	0.020134	7.478327	0.256	1.03742
20	0.020282	7.235001	0.247	1.03895
25	0.020401	7.046301	0.239	1.04020
30	0.020615	6.721894	0.226	1.04252
35	0.020758	6.514763	0.218	1.04411
40	0.020860	6.371263	0.212	1.04526
45	0.020936	6.266003	0.207	1.04614
50	0.020995	6.185504	0.204	1.04683
55	0.021042	6.121956	0.201	1.04733
55	0.021081	6.070515	0.199	1.04784
60	0.021113	6.028024	0.197	1.04823

CONFIDENCE LEVEL = .975
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
3	0.021587	1576.114013	2.854	1.02856
1	0.032938	66.804809	1.447	1.00369
2	0.039654	25.218272	1.000	1.00000
3	0.043963	15.831692	0.788	1.00144
4	0.046923	12.064265	0.666	1.00404
5	0.049068	10.097497	0.587	1.00671
6	0.050688	8.906158	0.533	1.00917
7	0.051952	8.112715	0.493	1.01135
8	0.052964	7.548531	0.462	1.01327
9	0.053793	7.127757	0.438	1.01494
10	0.055066	6.543447	0.403	1.01770
12	0.055998	6.157871	0.378	1.01987
14	0.056709	5.884810	0.360	1.02162
16	0.057269	5.681466	0.346	1.02304
18	0.057721	5.524247	0.335	1.02423
20	0.058544	5.252937	0.315	1.02647
25	0.059100	5.080052	0.302	1.02804
30	0.059500	4.960313	0.293	1.02920
35	0.059802	4.872300	0.286	1.03009
40	0.060037	4.805354	0.281	1.03080
45	0.060226	4.752353	0.277	1.03137
50	0.060381	4.709455	0.273	1.03184
55	0.060511	4.674024	0.271	1.03224
60				

CONFIDENCE LEVEL=.975
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
4	0.033399	1467.943355	3.606	1.03945
1	0.051824	61.053367	1.834	1.00941
2	0.063164	22.746388	1.269	1.00144
3	0.070685	14.147177	1.000	1.00000
4	0.075991	10.706317	0.844	1.00069
5	0.079918	8.913446	0.744	1.00205
6	0.082936	7.828815	0.674	1.00359
7	0.085325	7.107077	0.622	1.00509
8	0.087261	6.594205	0.582	1.00650
9	0.088861	6.211382	0.551	1.00779
10	0.091350	5.681228	0.505	1.01002
12	0.093196	5.331221	0.473	1.01136
14	0.094618	5.083425	0.449	1.01337
16	0.095748	4.898933	0.430	1.01464
18	0.096666	4.756310	0.415	1.01572
20	0.098352	4.510230	0.390	1.01779
25	0.099501	4.353444	0.373	1.01927
30	0.100333	4.244864	0.361	1.02038
35	0.100964	4.165238	0.352	1.02125
40	0.101459	4.104355	0.345	1.02194
45	0.101857	4.056297	0.339	1.02250
50	0.102185	4.017401	0.333	1.02297
55	0.102459	3.985276	0.331	1.02337
60				

CONFIDENCE LEVEL=.975
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.042931	08.287555	4.239	1.04712
1	0.067405	57.770407	2.165	1.01459
2	0.082889	21.311510	1.502	1.00404
3	0.093403	13.159452	1.184	1.00069
4	0.100963	9.904623	1.000	1.00000
5	0.106647	8.210916	0.880	1.00038
6	0.111072	7.137137	0.797	1.00117
7	0.114612	6.506270	0.735	1.00213
8	0.117507	6.022626	0.687	1.00311
9	0.119918	5.662184	0.650	1.00406
10	0.123703	5.162021	0.594	1.00581
12	0.126539	4.332137	0.555	1.00732
14	0.128742	4.598694	0.526	1.00862
16	0.130502	4.424857	0.503	1.00972
18	0.131941	4.290471	0.486	1.01068
20	0.133460	4.058597	0.454	1.01256
25	0.136428	3.910852	0.433	1.01393
30	0.137759	3.808524	0.413	1.01493
35	0.138772	3.733478	0.407	1.01581
40	0.139569	3.676094	0.393	1.01647
45	0.140212	3.630796	0.391	1.01702
50	0.140742	3.594131	0.386	1.01747
55	0.141187	3.563346	0.381	1.01736
60				

CONFIDENCE LEVEL = .975
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.050309	1371.195345	4.772	1.05270
1	0.079996	55.668747	2.448	1.01889
2	0.099034	20.379935	1.703	1.00671
3	0.112190	12.512787	1.344	1.00205
4	0.121789	9.376703	1.136	1.00038
5	0.129094	7.746307	1.000	1.00000
6	0.134837	6.761349	0.905	1.00023
7	0.139470	6.106526	0.834	1.00073
8	0.143237	5.641478	0.780	1.00136
9	0.146485	5.294936	0.736	1.00203
10	0.151545	4.814099	0.672	1.00337
12	0.155366	4.497011	0.627	1.00459
14	0.158355	4.272527	0.593	1.00567
16	0.160756	4.105385	0.567	1.00663
18	0.162728	3.976162	0.547	1.00747
20	0.166395	3.753159	0.509	1.00916
25	0.168929	3.611103	0.485	1.01042
30	0.170784	3.512532	0.468	1.01141
35	0.172201	3.440366	0.454	1.01218
40	0.173319	3.385138	0.444	1.01232
45	0.174223	3.341537	0.436	1.01334
50	0.174970	3.306242	0.430	1.01373
55	0.175596	3.277037	0.424	1.01416
60				

CONFIDENCE LEVEL = .975
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
7	1	13	5	1
	0.056589	46.181111	2.224	1.05690
	0.090224	54.216270	2.692	1.02243
	0.112232	19.728690	1.877	1.00917
	0.127733	12.057471	1.485	1.00359
	0.139137	9.003180	1.255	1.00117
	0.147899	7.416373	1.106	1.00023
	0.154844	6.458110	1.000	1.00000
	0.160485	5.821162	0.922	1.00015
	0.165160	5.368853	0.861	1.00049
	0.169097	5.031814	0.813	1.00092
	0.175364	4.564145	0.742	1.00130
	0.180132	4.255706	0.691	1.00287
	0.183882	4.037312	0.653	1.00377
	0.186908	3.874677	0.624	1.00453
	0.189402	3.748919	0.601	1.00531
	0.194066	3.531340	0.559	1.00632
	0.197307	3.393446	0.531	1.00799
	0.199690	3.297550	0.511	1.00890
	0.201517	3.227194	0.496	1.00963
	0.202961	3.173378	0.485	1.01023
	0.204132	3.130335	0.475	1.01073
	0.205100	3.096482	0.468	1.01116
	0.205914	3.068051	0.462	1.01152

CONFIDENCE LEVEL=.975
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
8	1	13	5	1
	0.061541	28.296566	5.609	1.06016
	0.098634	33.156081	2.902	1.02534
	0.123263	19.248686	2.029	1.01135
	0.140705	11.719925	1.608	1.00509
	0.153698	8.725128	1.361	1.00213
	0.163759	7.169997	1.199	1.00073
	0.171787	6.231101	1.085	1.00015
	0.178345	5.607096	1.000	1.00000
	0.183807	5.163936	0.934	1.00010
	0.188427	4.833793	0.882	1.00034
	0.195821	4.375575	0.804	1.00101
	0.201430	4.073311	0.748	1.00176
	0.205952	3.859243	0.707	1.00249
	0.209576	3.699794	0.675	1.00318
	0.212574	3.576474	0.649	1.00382
	0.218204	3.363539	0.603	1.00516
	0.222136	3.227730	0.572	1.00622
	0.225039	3.133595	0.550	1.00707
	0.227270	3.064512	0.533	1.00776
	0.229039	3.011657	0.520	1.00833
	0.230475	2.969915	0.510	1.00880
	0.231664	2.936115	0.502	1.00921
	0.232666	2.908138	0.495	1.00956

CONFIDENCE LEVEL=.975
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.065635	13 14.935398	5.942	1.06275
1	0.105644	52.349942	3.086	1.02777
2	0.132476	18.880728	2.163	1.01327
3	0.151648	11.459886	1.717	1.00650
4	0.166041	8.510168	1.455	1.00311
5	0.177259	6.979012	1.283	1.00136
6	0.186260	6.054746	1.161	1.00049
7	0.193649	5.440493	1.070	1.00010
8	0.199828	5.004298	1.000	1.00000
10	0.205075	4.679234	0.944	1.00007
12	0.213511	4.228068	0.860	1.00049
14	0.220002	3.930383	0.800	1.00103
16	0.225154	3.719504	0.755	1.00163
18	0.229345	3.562392	0.720	1.00220
20	0.232821	3.440850	0.692	1.00275
25	0.239376	3.230910	0.642	1.00394
30	0.243977	3.096950	0.609	1.00490
35	0.247385	3.004062	0.585	1.00569
40	0.250011	2.935873	0.567	1.00633
45	0.252097	2.883689	0.552	1.00687
50	0.253794	2.842467	0.541	1.00732
55	0.255202	2.809083	0.532	1.00771
60	0.256369	2.781495	0.524	1.00805

CONFIDENCE LEVEL=.975
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.069070	13 04.606572	6.231	1.06487
1	0.111561	51.717254	3.247	1.02981
2	0.140297	18.589940	2.282	1.01494
3	0.160982	11.253512	1.814	1.00779
4	0.176610	8.339053	1.539	1.00406
5	0.188860	6.826626	1.358	1.00203
6	0.198735	5.913764	1.230	1.00092
7	0.206877	5.307094	1.134	1.00034
8	0.213710	4.876259	1.059	1.00007
10	0.219531	4.555160	1.000	1.00000
12	0.228929	4.109419	0.911	1.00018
14	0.236193	3.815232	0.847	1.00057
16	0.241981	3.606773	0.799	1.00103
18	0.246705	3.451422	0.762	1.00151
20	0.250633	3.331211	0.732	1.00197
25	0.258070	3.123491	0.679	1.00302
30	0.263312	2.950883	0.642	1.00390
35	0.267207	2.838895	0.616	1.00462
40	0.270216	2.831344	0.597	1.00523
45	0.272611	2.778634	0.582	1.00573
50	0.274563	2.738777	0.569	1.00616
55	0.276183	2.705682	0.559	1.00654
60	0.277551	2.678323	0.551	1.00696

CONFIDENCE LEVEL=.975
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
12	0.074495	9.736597	6.708	1.06810
1	0.120980	50.789583	3.517	1.03306
2	0.152825	18.160045	2.482	1.01770
3	0.176018	10.946859	1.980	1.01002
4	0.193723	8.083861	1.683	1.00581
5	0.207723	6.598712	1.487	1.00337
6	0.219099	5.702409	1.343	1.00190
7	0.228541	5.106706	1.244	1.00101
8	0.236515	4.683591	1.163	1.00048
9	0.243343	4.368172	1.098	1.00018
10	0.254443	3.930146	1.000	1.00000
12	0.263092	3.640880	0.930	1.00001
14	0.270029	3.435787	0.877	1.00003
16	0.275722	3.282855	0.835	1.00006
18	0.280479	3.164454	0.802	1.00009
20	0.283954	2.959696	0.742	1.00017
25	0.295981	2.928841	0.701	1.00025
30	0.300792	2.737992	0.672	1.00031
35	0.304526	2.671229	0.650	1.00036
40	0.307508	2.620093	0.633	1.00040
45	0.309545	2.579669	0.619	1.00044
50	0.311975	2.546910	0.607	1.00043
55	0.313691	2.519823	0.598	1.00051
60				

CONFIDENCE LEVEL=.975
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
14	0.078578	1279.589296	7.084	1.07045
1	0.128124	50.143375	3.733	1.03551
2	0.152394	17.857838	2.645	1.01937
3	0.187574	10.730071	2.115	1.01186
4	0.206946	7.902712	1.802	1.00732
5	0.222370	6.436400	1.595	1.00459
6	0.234979	5.551483	1.447	1.00237
7	0.245501	4.963280	1.336	1.00176
8	0.254428	4.545410	1.250	1.00103
9	0.262107	4.233825	1.180	1.00057
10	0.274659	3.800947	1.076	1.00011
12	0.284502	3.514909	1.000	1.00000
14	0.292441	3.311981	0.942	1.00007
16	0.298985	3.160578	0.898	1.00002
18	0.304477	3.043296	0.862	1.00004
20	0.314998	2.840308	0.796	1.00010
25	0.322520	2.710445	0.752	1.00015
30	0.328170	2.620204	0.719	1.00021
35	0.332572	2.553840	0.695	1.00025
40	0.336099	2.502977	0.676	1.00029
45	0.338990	2.462743	0.661	1.00033
50	0.341402	2.430131	0.648	1.00036
55	0.343446	2.403152	0.638	1.00039
60				

CONFIDENCE LEVEL=.975
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
16 1	0.081757	1272.245990	7.389	1.07222
2	0.133720	49.668074	3.909	1.03742
3	0.169929	17.633971	2.779	1.02162
4	0.196718	10.568772	2.228	1.01337
5	0.217453	7.767494	1.902	1.00862
6	0.234054	6.314928	1.685	1.00567
7	0.247690	5.438285	1.531	1.00377
8	0.259118	4.855504	1.415	1.00249
9	0.268853	4.441401	1.324	1.00163
10	0.277256	4.132550	1.251	1.00103
12	0.291054	3.703299	1.141	1.00035
14	0.301934	3.419434	1.061	1.00007
16	0.310749	3.218033	1.000	1.00000
18	0.318044	3.067640	0.952	1.00005
20	0.324187	2.951073	0.914	1.00016
25	0.336014	2.749174	0.843	1.00059
30	0.344518	2.619868	0.796	1.00103
35	0.350934	2.529934	0.761	1.00146
40	0.355951	2.463746	0.735	1.00186
45	0.359982	2.412986	0.714	1.00221
50	0.363294	2.372817	0.697	1.00252
55	0.366063	2.340234	0.684	1.00280
60	0.368414	2.313271	0.672	1.00304

CONFIDENCE LEVEL=.975
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
18 1	0.084300	1266.696523	7.639	1.07362
2	0.138217	49.304114	4.056	1.03895
3	0.176011	17.461568	2.892	1.02304
4	0.204125	10.444113	2.323	1.01464
5	0.225996	7.662713	1.936	1.00972
6	0.243583	6.220605	1.763	1.00663
7	0.258086	5.350227	1.603	1.00458
8	0.270285	4.771531	1.482	1.00318
9	0.280710	4.360250	1.388	1.00220
10	0.289736	4.053432	1.312	1.00151
12	0.304613	3.626846	1.197	1.00066
14	0.316398	3.344647	1.114	1.00023
16	0.325984	3.144216	1.050	1.00005
18	0.333944	2.994512	1.000	1.00000
20	0.340667	2.878425	0.959	1.00003
25	0.353667	2.677188	0.885	1.00029
30	0.363061	2.548176	0.835	1.00064
35	0.370178	2.458368	0.798	1.00100
40	0.375760	2.392223	0.770	1.00134
45	0.380258	2.341467	0.748	1.00164
50	0.383961	2.301277	0.730	1.00192
55	0.387063	2.268562	0.715	1.00217
60	0.389700	2.241661	0.703	1.00240

CONFIDENCE LEVEL=.975
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
20 1	0.086379	1262.360486	7.849	1.07474
2	0.141908	49.016632	4.180	1.04620
3	0.181020	17.324756	2.987	1.02423
4	0.210247	10.344903	2.405	1.01572
5	0.233075	7.579152	2.059	1.01068
6	0.251499	6.145242	1.830	1.00747
7	0.266744	5.279765	1.665	1.00531
8	0.279605	4.704249	1.541	1.00382
9	0.290626	4.295151	1.444	1.00275
10	0.300191	3.989893	1.366	1.00197
12	0.316010	3.565330	1.247	1.00098
14	0.328591	3.234524	1.160	1.00044
16	0.338859	3.034637	1.094	1.00016
18	0.347412	2.935414	1.042	1.00003
20	0.354655	2.819644	1.000	1.00000
25	0.368711	2.618808	0.922	1.00013
30	0.378916	2.489926	0.869	1.00039
35	0.386674	2.400133	0.831	1.00067
40	0.392777	2.333953	0.801	1.00096
45	0.397707	2.283135	0.778	1.00123
50	0.401774	2.242876	0.759	1.00147
55	0.405186	2.210189	0.743	1.00170
60	0.408092	2.183118	0.730	1.00191

CONFIDENCE LEVEL=.975
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
25 1	0.090224	1254.791697	8.250	1.07677
2	0.148768	48.507619	4.420	1.04252
3	0.190370	17.081060	3.174	1.02647
4	0.221713	10.167521	2.565	1.01779
5	0.246391	7.429319	2.203	1.01256
6	0.266442	6.009306	1.963	1.00916
7	0.283139	5.152381	1.790	1.00682
8	0.297306	4.582873	1.660	1.00516
9	0.309510	4.177522	1.557	1.00394
10	0.320155	3.874916	1.474	1.00302
12	0.337873	3.453716	1.348	1.00179
14	0.352075	3.174621	1.256	1.00104
16	0.363746	2.976065	1.186	1.00058
18	0.373526	2.827521	1.130	1.00023
20	0.381853	2.712153	1.084	1.00013
25	0.398140	2.511678	1.000	1.00000
30	0.410078	2.382735	0.942	1.00007
35	0.419224	2.292723	0.899	1.00022
40	0.426464	2.226268	0.867	1.00040
45	0.432343	2.175164	0.841	1.00058
50	0.437214	2.134626	0.820	1.00076
55	0.441318	2.101675	0.802	1.00093
60	0.444823	2.074357	0.788	1.00110

CONFIDENCE LEVEL=.975
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
30 1	0.092861	1249.917005	8.535	1.07814
2	0.153498	48.174467	4.593	1.04411
3	0.196848	16.920485	3.310	1.02804
4	0.229703	10.050151	2.683	1.01927
5	0.255699	7.329864	2.310	1.01393
6	0.276929	5.919669	2.062	1.01042
7	0.294686	5.068242	1.884	1.00799
8	0.309815	4.501740	1.749	1.00622
9	0.322898	4.098745	1.643	1.00490
10	0.334349	3.797779	1.557	1.00390
12	0.353502	3.378598	1.426	1.00250
14	0.368943	3.100582	1.331	1.00161
16	0.381699	2.902606	1.257	1.00103
18	0.392433	2.754353	1.193	1.00064
20	0.401618	2.639109	1.150	1.00039
25	0.419686	2.438358	1.062	1.00007
30	0.433030	2.309308	1.000	1.00000
35	0.443317	2.218923	0.955	1.00004
40	0.451502	2.152090	0.920	1.00014
45	0.458178	2.100326	0.892	1.00025
50	0.463730	2.059753	0.869	1.00038
55	0.468422	2.026494	0.850	1.00051
60	0.472442	1.998395	0.834	1.00063

CONFIDENCE LEVEL = .975
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
35 1	0.094781	1246.520143	8.747	1.07912
2	0.156955	47.939598	4.723	1.04526
3	0.201600	16.806741	3.413	1.02920
4	0.235579	9.966764	2.773	1.02038
5	0.262569	7.259043	2.392	1.01498
6	0.284691	5.855362	2.139	1.01141
7	0.303255	5.007755	1.957	1.00890
8	0.319122	4.443670	1.819	1.00707
9	0.332883	4.042282	1.711	1.00569
10	0.344959	3.742418	1.623	1.00462
12	0.365231	3.324556	1.489	1.00312
14	0.381650	3.047200	1.390	1.00213
16	0.395267	2.849537	1.314	1.00146
18	0.406774	2.701402	1.254	1.00100
20	0.416644	2.586157	1.204	1.00067
25	0.436163	2.385358	1.112	1.00022
30	0.450669	2.255722	1.048	1.00004
35	0.461909	2.164927	1.000	1.00000
40	0.470892	2.097698	0.963	1.00003
45	0.478245	2.045865	0.934	1.00009
50	0.484380	2.000465	0.910	1.00017
55	0.489580	1.971086	0.890	1.00026
60	0.494045	1.943206	0.873	1.00036

CONFIDENCE LEVEL = .975
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
40	1 0.096242	1244.019405	8.912	1.07985
	2 0.159591	47.765169	4.824	1.04614
	3 0.205233	16.721965	3.454	1.03009
	4 0.240082	9.904474	2.844	1.02125
	5 0.267847	7.206051	2.458	1.01581
	6 0.290667	5.807173	2.200	1.01213
	7 0.309867	4.962371	2.015	1.00933
	8 0.326316	4.400048	1.875	1.00776
	9 0.340614	3.999820	1.765	1.00633
	10 0.353189	3.700742	1.676	1.00523
	12 0.374360	3.283795	1.535	1.00364
	14 0.391567	3.006363	1.439	1.00259
	16 0.405386	2.809377	1.361	1.00136
	18 0.418021	2.661271	1.299	1.00134
	20 0.428458	2.545972	1.248	1.00096
	25 0.449182	2.344361	1.154	1.00040
	30 0.464664	2.214323	1.083	1.00014
	35 0.476713	2.123628	1.038	1.00003
	40 0.486377	2.056016	1.000	1.00000
	45 0.494314	2.003329	0.969	1.00002
	50 0.500954	1.963295	0.944	1.00006
	55 0.506595	1.928434	0.923	1.00012
	60 0.511451	1.900286	0.905	1.00019

CONFIDENCE LEVEL=.975
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
45	1 0.097390	1242.102431	9.043	1.08043
	2 0.161663	47.630536	4.903	1.04633
	3 0.208101	16.656343	3.559	1.03080
	4 0.243644	9.856178	2.901	1.02194
	5 0.272028	7.164909	2.511	1.01647
	6 0.295409	5.769718	2.250	1.01282
	7 0.315122	4.927060	2.063	1.01023
	8 0.332043	4.366077	1.922	1.00833
	9 0.346778	3.966723	1.810	1.00687
	10 0.359760	3.668230	1.720	1.00573
	12 0.381666	3.251943	1.581	1.00409
	14 0.399524	2.975310	1.479	1.00298
	16 0.414424	2.777913	1.400	1.00221
	18 0.427083	2.629792	1.338	1.00164
	20 0.437994	2.514414	1.286	1.00123
	25 0.459736	2.312973	1.189	1.00058
	30 0.476049	2.182559	1.122	1.00025
	35 0.488791	2.090978	1.071	1.00009
	40 0.499045	2.023007	1.032	1.00002
	45 0.507488	1.970490	1.000	1.00000
	50 0.514570	1.928655	0.974	1.00001
	55 0.520600	1.894520	0.952	1.00005
	60 0.525799	1.866123	0.934	1.00009

CONFIDENCE LEVEL=.975
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
50 1	0.098317	1240.586575	9.150	1.08089
2	0.163347	47.523485	4.972	1.04738
3	0.210422	16.604059	3.613	1.03137
4	0.246530	9.817639	2.949	1.02250
5	0.275422	7.132042	2.555	1.01702
6	0.299264	5.739770	2.292	1.01334
7	0.319399	4.898803	2.103	1.01073
8	0.336710	4.338871	1.960	1.00880
9	0.351807	3.940198	1.848	1.00732
10	0.365126	3.642157	1.756	1.00616
12	0.387647	3.226375	1.616	1.00448
14	0.406051	2.949941	1.513	1.00333
16	0.421440	2.752591	1.434	1.00252
18	0.434541	2.604430	1.370	1.00192
20	0.445855	2.438964	1.318	1.00147
25	0.468466	2.287209	1.220	1.00076
30	0.485495	2.156429	1.151	1.00038
35	0.493839	2.064494	1.099	1.00017
40	0.509607	1.996192	1.059	1.00006
45	0.518496	1.943371	1.027	1.00001
50	0.525967	1.901253	1.000	1.00000
55	0.532341	1.866870	0.978	1.00001
60	0.537947	1.838243	0.953	1.00003

CONFIDENCE LEVEL=.975
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
55 1	0.099080	1239.358072	9.239	1.08126
2	0.164731	47.436334	5.027	1.04784
3	0.212339	16.561414	3.658	1.03184
4	0.248917	9.786171	2.989	1.02297
5	0.278231	7.105183	2.592	1.01747
6	0.302458	5.715273	2.327	1.01378
7	0.322947	4.875678	2.137	1.01116
8	0.340586	4.516592	1.993	1.00921
9	0.355988	3.918464	1.880	1.00771
10	0.369593	3.620781	1.783	1.00654
12	0.392633	3.205337	1.647	1.00482
14	0.411500	2.929098	1.543	1.00364
16	0.427308	2.731767	1.463	1.00280
18	0.440788	2.583557	1.398	1.00217
20	0.452450	2.468000	1.345	1.00170
25	0.475811	2.265941	1.246	1.00093
30	0.493463	2.134827	1.176	1.00051
35	0.507334	2.042567	1.124	1.00026
40	0.518556	1.973962	1.083	1.00012
45	0.527838	1.920861	1.050	1.00005
50	0.535656	1.878494	1.023	1.00001
55	0.542337	1.843373	1.000	1.00000
60	0.548117	1.815032	0.980	1.00001

CONFIDENCE LEVEL=.975
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
60	1 0.099719	1238.342516	9.314	1.08158
2	0.165892	47.364009	5.075	1.04823
3	0.213948	16.525970	3.696	1.03224
4	0.250524	9.759993	3.023	1.02337
5	0.280596	7.082823	2.623	1.01786
6	0.305149	5.694875	2.357	1.01416
7	0.325939	4.856403	2.166	1.01152
8	0.343857	4.298012	2.021	1.00936
9	0.359519	3.900330	1.907	1.00805
10	0.373367	3.602937	1.815	1.00686
12	0.396853	3.187851	1.673	1.00511
14	0.416120	2.911668	1.568	1.00391
16	0.432288	2.714340	1.483	1.00304
18	0.446098	2.566074	1.423	1.00240
20	0.458060	2.450429	1.370	1.00191
25	0.482077	2.243086	1.270	1.00110
30	0.500276	2.116664	1.199	1.00063
35	0.514613	2.024106	1.146	1.00036
40	0.526236	1.955222	1.105	1.00019
45	0.535870	1.901866	1.071	1.00009
50	0.543993	1.859264	1.043	1.00003
55	0.550954	1.824429	1.020	1.00001
60	0.556581	1.795393	1.000	1.00000

CONFIDENCE LEVEL=.975
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.0000062	16210.722709	1.0000	1.000000
2	0.0000089	297.509443	0.502	1.01114
3	0.000103	88.373759	0.342	1.02439
4	0.000111	50.084764	0.266	1.03416
5	0.000116	36.180658	0.223	1.04116
6	0.000119	29.339240	0.196	1.04630
7	0.000122	25.353715	0.177	1.05018
8	0.000124	22.773748	0.163	1.05320
9	0.000125	20.975658	0.153	1.05561
10	0.000126	19.657099	0.145	1.05757
12	0.000128	17.858370	0.133	1.06057
14	0.000129	16.691861	0.125	1.06274
16	0.000129	15.876447	0.119	1.06439
18	0.000130	15.275362	0.115	1.06568
20	0.000130	14.814979	0.111	1.06672
25	0.000131	14.026148	0.105	1.06860
30	0.000132	13.529613	0.101	1.06986
35	0.000132	13.187229	0.098	1.07076
40	0.000132	12.938175	0.096	1.07144
45	0.000133	12.747504	0.094	1.07197
50	0.000133	12.598493	0.093	1.07259
55	0.000133	12.477342	0.092	1.07273
60	0.000133	12.377836	0.091	1.07302

CONFIDENCE LEVEL=.99

SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.003361	11286.961134	1.990	1.01114
1	0.005025	199.000000	1.000	1.00000
3	0.005930	57.537220	0.681	1.00331
4	0.006574	32.009338	0.529	1.00858
5	0.006970	22.319110	0.442	1.01344
6	0.007250	18.322340	0.386	1.01752
7	0.007456	15.713739	0.348	1.02088
8	0.007613	14.029301	0.320	1.02366
9	0.007737	12.859094	0.299	1.02598
10	0.007837	12.001996	0.282	1.02794
12	0.007988	10.835111	0.258	1.03105
14	0.008096	10.080630	0.241	1.03340
16	0.008177	9.554129	0.229	1.03522
18	0.008240	9.166390	0.219	1.03669
20	0.008290	8.869203	0.212	1.03798
25	0.008330	8.361834	0.195	1.04009
30	0.008440	8.042240	0.190	1.04160
35	0.008483	7.822622	0.184	1.04270
40	0.008515	7.662483	0.180	1.04354
45	0.008539	7.540555	0.176	1.04419
50	0.008559	7.444650	0.174	1.04472
55	0.008575	7.367232	0.171	1.04516
60	0.008589	7.303435	0.170	1.04552

CONFIDENCE LEVEL=.99

SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
3 1	0.0111316	9736.337915	2.921	1.02439
2	0.017380	167.231667	1.469	1.00331
3	0.021067	47.467228	1.000	1.00000
4	0.023477	26.061694	0.776	1.00135
5	0.025149	18.399035	0.647	1.00383
6	0.026367	14.664150	0.564	1.00641
7	0.027289	12.503359	0.507	1.00880
8	0.028010	11.110384	0.465	1.01092
9	0.028597	10.144997	0.433	1.01278
10	0.029060	9.438431	0.408	1.01441
12	0.029785	8.477785	0.372	1.01710
14	0.030316	7.857545	0.346	1.01922
16	0.030721	7.425166	0.327	1.02092
18	0.031039	7.107000	0.313	1.02231
20	0.031296	6.863292	0.302	1.02346
25	0.031763	6.447543	0.282	1.02564
30	0.032078	6.185885	0.269	1.02716
35	0.032304	6.006182	0.259	1.02829
40	0.032474	5.875200	0.252	1.02915
45	0.032607	5.775513	0.247	1.02983
50	0.032714	5.697111	0.243	1.03039
55	0.032801	5.633849	0.240	1.03085
60	0.032874	5.581715	0.237	1.03123

CONFIDENCE LEVEL=.99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
4 1	0.0119966	9021.696223	3.753	1.03416
2	0.031240	152.112687	1.892	1.00858
3	0.038370	42.594480	1.289	1.00135
4	0.043138	23.154502	1.000	1.00000
5	0.046623	16.224148	0.833	1.00066
6	0.049182	12.855414	0.726	1.00199
7	0.051155	10.910196	0.651	1.00349
8	0.052720	9.658411	0.596	1.00497
9	0.053991	8.791052	0.555	1.00635
10	0.055042	8.157097	0.522	1.00762
12	0.056678	7.295963	0.474	1.00982
14	0.057891	6.740504	0.440	1.01163
16	0.058827	6.353545	0.415	1.01312
18	0.059569	6.068946	0.396	1.01437
20	0.060172	5.851035	0.381	1.01542
25	0.061280	5.479474	0.354	1.01746
30	0.062034	5.245737	0.337	1.01891
35	0.062581	5.085267	0.324	1.02001
40	0.062995	4.968331	0.315	1.02085
45	0.063319	4.879349	0.308	1.02153
50	0.063580	4.809378	0.302	1.02208
55	0.063795	4.752919	0.298	1.02254
60	0.063974	4.706404	0.294	1.02293

CONFIDENCE LEVEL=.99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.027639	8625.705206	4.478	1.04116
1	0.043823	143.466003	2.264	1.01344
2	0.054351	39.762613	1.546	1.00383
3	0.061637	21.448560	1.200	1.00066
4	0.066936	14.939605	1.000	1.00000
5	0.070949	11.782075	0.871	1.00037
6	0.074087	9.961367	0.780	1.00115
7	0.076605	8.790896	0.714	1.00209
8	0.078668	7.980497	0.663	1.00306
9	0.080390	7.388519	0.623	1.00401
10	0.083309	6.584909	0.565	1.00574
12	0.085126	6.066873	0.523	1.00724
14	0.086704	5.706140	0.493	1.00852
16	0.087966	5.440910	0.469	1.00961
18	0.088998	5.237874	0.451	1.01056
20	0.090906	4.891767	0.418	1.01241
25	0.092216	4.674100	0.396	1.01377
30	0.093171	4.524685	0.381	1.01481
35	0.093897	4.415317	0.369	1.01562
40	0.094469	4.332980	0.361	1.01628
45	0.094930	4.267845	0.354	1.01681
50	0.095310	4.215290	0.348	1.01726
55	0.095628	4.171994	0.343	1.01764
60				

CONFIDENCE LEVEL=.99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.034084	8379.560314	5.105	1.04630
1	0.054579	137.937053	2.590	1.01752
2	0.068194	37.926107	1.772	1.00641
3	0.077788	20.332810	1.378	1.00199
4	0.084875	14.094620	1.149	1.00037
5	0.090309	11.073039	1.000	1.00000
6	0.094605	9.332538	0.856	1.00022
7	0.098033	8.214457	0.820	1.00072
8	0.100955	7.440750	0.761	1.00135
9	0.103363	6.875805	0.715	1.00201
10	0.107192	6.109209	0.646	1.00354
12	0.110086	5.615227	0.598	1.00455
14	0.112353	5.271327	0.562	1.00563
16	0.114175	5.018513	0.535	1.00658
18	0.115673	4.8325004	0.513	1.00741
20	0.118460	4.495171	0.474	1.00909
25	0.120388	4.287753	0.449	1.01035
30	0.121800	4.145379	0.431	1.01132
35	0.122879	4.041640	0.417	1.01209
40	0.123730	3.962706	0.407	1.01272
45	0.124419	3.900640	0.398	1.01324
50	0.124987	3.850559	0.392	1.01367
55	0.125465	3.809301	0.386	1.01404
60				

CONFIDENCE LEVEL=.99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.0039441	13.975210	5.647	1.05018
1	0.0063639	134.124919	2.876	1.02088
2	0.0079978	36.644478	1.973	1.00880
3	0.0091657	19.548491	1.536	1.00349
4	0.100388	13.497681	1.281	1.00115
5	0.107152	10.570298	1.116	1.00022
6	0.112544	8.885389	1.000	1.00000
7	0.116943	7.803613	0.914	1.00014
8	0.120599	7.055313	0.849	1.00048
9	0.123687	6.509082	0.797	1.00092
10	0.128614	5.768070	0.719	1.00189
12	0.132372	5.290682	0.663	1.00285
14	0.135333	4.958375	0.625	1.00375
16	0.137726	4.714097	0.594	1.00456
18	0.139701	4.527125	0.569	1.00529
20	0.143337	4.208431	0.525	1.00679
25	0.145963	4.008003	0.496	1.00795
35	0.147861	3.870424	0.475	1.00886
40	0.149312	3.770169	0.459	1.00958
45	0.150460	3.693881	0.447	1.01018
50	0.151391	3.633890	0.438	1.01068
55	0.152161	3.585482	0.430	1.01110
60	0.152808	3.545501	0.424	1.01146

CONFIDENCE LEVEL=.99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
8	0.043911	95.984097	6.119	1.05320
1	0.071279	131.349906	3.127	1.02366
2	0.090002	35.701884	2.150	1.01092
3	0.103537	18.968072	1.677	1.00497
4	0.113754	13.054040	1.400	1.00209
5	0.121737	10.195475	1.220	1.00072
6	0.128146	8.551175	1.094	1.00014
7	0.135406	7.495906	1.000	1.00000
8	0.137802	6.766151	0.928	1.00010
9	0.141531	6.233548	0.871	1.00034
10	0.144751	5.811150	0.786	1.00100
12	0.152114	5.045806	0.726	1.00175
14	0.155734	4.721392	0.681	1.00249
16	0.158709	4.483780	0.647	1.00317
18	0.161156	4.301520	0.619	1.00381
20	0.165760	3.990829	0.570	1.00515
25	0.168981	3.795408	0.538	1.00620
35	0.171361	3.661240	0.515	1.00705
40	0.173192	3.563460	0.497	1.00773
45	0.174644	3.489047	0.484	1.00830
50	0.175824	3.430525	0.473	1.00877
55	0.176801	3.383298	0.465	1.00917
60	0.177624	3.344386	0.457	1.00952

CONFIDENCE LEVEL=.99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.047673	08.153012	6.531	1.05561
1	0.077766	129.245641	3.349	1.02598
2	0.098571	34.980814	2.308	1.01278
3	0.113752	18.521698	1.803	1.00635
4	0.125305	12.711603	1.507	1.00306
5	0.134395	9.905355	1.314	1.00135
6	0.141737	8.291921	1.178	1.00048
7	0.147795	7.256781	1.078	1.00010
8	0.152880	6.541090	1.000	1.00000
10	0.157211	6.018817	0.938	1.00007
12	0.164199	5.310495	0.847	1.00048
14	0.169594	4.854232	0.782	1.00103
16	0.173888	4.536628	0.733	1.00162
18	0.177387	4.303133	0.695	1.00220
20	0.180294	4.124401	0.666	1.00274
25	0.185797	3.819670	0.612	1.00393
30	0.189650	3.627954	0.576	1.00490
35	0.192515	3.496302	0.551	1.00568
40	0.194726	3.400340	0.532	1.00632
45	0.196482	3.327299	0.517	1.00686
50	0.197913	3.269849	0.505	1.00731
55	0.199099	3.223432	0.496	1.00769
60	0.200100	3.185274	0.488	1.00803

CONFIDENCE LEVEL=.99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.050872	7940.501662	6.893	1.05757
1	0.083319	127.598442	3.546	1.02794
2	0.105950	44.412075	2.449	1.01441
3	0.122593	18.168013	1.916	1.00762
4	0.135345	12.439410	1.604	1.00401
5	0.145438	9.674191	1.399	1.00201
6	0.153632	8.084950	1.255	1.00092
7	0.160422	7.065574	1.148	1.00034
8	0.166146	6.360833	1.066	1.00007
9	0.171037	5.846678	1.000	1.00000
10	0.178964	5.149326	0.902	1.00018
12	0.185116	4.700113	0.832	1.00057
14	0.190032	4.387398	0.780	1.00103
16	0.194052	4.157475	0.740	1.00151
18	0.197401	3.981448	0.708	1.00197
20	0.203756	3.681277	0.650	1.00302
25	0.208246	3.492379	0.611	1.00390
30	0.211588	3.362630	0.584	1.00462
35	0.214172	3.268035	0.563	1.00522
40	0.216231	3.196023	0.547	1.00573
45	0.217910	3.139372	0.534	1.00616
50	0.219305	3.093645	0.524	1.00652
55	0.220483	3.055960	0.515	1.00684

CONFIDENCE LEVEL=.99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
12	0.055998	7843.589237	7.499	1.06057
1	0.0092293	125.191576	3.880	1.03105
2	0.117955	33.573399	2.691	1.01710
3	0.137062	17.643577	2.112	1.00982
4	0.151862	12.024239	1.771	1.00574
5	0.163687	9.329069	1.548	1.00334
6	0.173368	7.775204	1.390	1.00189
7	0.181450	6.778344	1.272	1.00100
8	0.188306	6.090183	1.181	1.00048
9	0.194200	5.587710	1.109	1.00018
10	0.203322	4.906249	1.000	1.00000
12	0.211352	4.467205	0.923	1.00011
14	0.221741	4.161486	0.864	1.00035
16	0.222399	3.936646	0.819	1.00066
18	0.226575	3.764461	0.783	1.00093
20	0.234553	3.470701	0.718	1.00179
25	0.240236	3.285715	0.674	1.00250
30	0.244492	3.158582	0.643	1.00312
35	0.247799	3.065349	0.613	1.00364
40	0.250444	2.995224	0.601	1.00409
45	0.252607	2.939545	0.586	1.00449
50	0.254410	2.894769	0.574	1.00481
55	0.255936	2.857776	0.564	1.00511
60				

CONFIDENCE LEVEL = .99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
14	0.059909	7777.863690	7.984	1.06274
1	0.099200	123.521917	4.150	1.03340
2	0.127266	32.985610	2.889	1.01922
3	0.148357	17.273745	2.273	1.01163
4	0.164830	11.747263	1.911	1.00724
5	0.178087	9.083798	1.672	1.00455
6	0.189012	7.554468	1.504	1.00283
7	0.198184	6.574033	1.377	1.00173
8	0.206006	5.896432	1.280	1.00103
9	0.212761	5.402025	1.201	1.00057
10	0.223854	4.731435	1.084	1.00011
12	0.232597	4.299287	1.000	1.00000
14	0.239674	3.998277	0.937	1.00007
16	0.245526	3.776827	0.887	1.00023
18	0.250449	3.607180	0.848	1.00045
20	0.253990	3.317597	0.776	1.00104
25	0.266695	3.135106	0.729	1.00162
30	0.271804	3.009608	0.693	1.00213
35	0.275792	2.918019	0.657	1.00259
40	0.278992	2.848232	0.647	1.00299
45	0.281617	2.793291	0.630	1.00333
50	0.283809	2.748914	0.617	1.00364
55	0.285668	2.712321	0.606	1.00391
60				

CONFIDENCE LEVEL = .99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.062985	7730.555227	8.380	1.06439
2	0.104667	122.298111	4.374	1.03522
3	0.134677	32.551287	3.055	1.02092
4	0.157392	16.959139	2.410	1.01312
5	0.175250	11.533441	2.029	1.00852
6	0.189706	8.900555	1.779	1.00563
7	0.201679	7.389187	1.601	1.00375
8	0.211780	6.420384	1.468	1.00249
9	0.220428	5.750836	1.364	1.00162
10	0.227926	5.262285	1.281	1.00103
12	0.240299	4.599540	1.157	1.00035
14	0.250108	4.172326	1.067	1.00007
16	0.258088	3.874654	1.000	1.00000
18	0.264714	3.655582	0.947	1.00005
20	0.270307	3.487693	0.905	1.00016
25	0.281114	3.200965	0.823	1.00058
30	0.288914	3.020131	0.775	1.00103
35	0.294814	2.895689	0.733	1.00147
40	0.299437	2.804819	0.710	1.00186
45	0.303157	2.735547	0.687	1.00221
50	0.306217	2.680987	0.669	1.00252
55	0.308779	2.636902	0.655	1.00280
60	0.310955	2.600533	0.643	1.00304

CONFIDENCE LEVEL=.99
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
18	0.065463	7694.967340	8.710	1.06568
2	0.109094	121.363711	4.562	1.03669
3	0.140706	32.217508	3.193	1.02231
4	0.164773	16.737274	2.526	1.01437
5	0.183379	11.368008	2.131	1.00961
6	0.199262	8.758469	1.870	1.00653
7	0.212130	7.260791	1.685	1.00456
8	0.223026	6.300834	1.546	1.00317
9	0.232339	5.637394	1.438	1.00220
10	0.240531	5.153267	1.351	1.00151
12	0.254023	4.456419	1.221	1.00066
14	0.264773	4.072891	1.127	1.00023
16	0.273554	3.777669	1.056	1.00005
18	0.280875	3.560332	1.000	1.00000
20	0.287071	3.393718	0.955	1.00003
25	0.299100	3.108995	0.873	1.00030
30	0.307829	2.929290	0.818	1.00065
35	0.314461	2.805543	0.778	1.00100
40	0.319674	2.715127	0.747	1.00134
45	0.323832	2.646166	0.723	1.00165
50	0.327351	2.591823	0.704	1.00192
55	0.330260	2.547905	0.688	1.00217
60	0.332735	2.511663	0.675	1.00240

CONFIDENCE LEVEL=.99
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
20	1 0.067500	7667.272628	8.988	1.06672
	2 0.112750	120.627481	4.722	1.03788
	3 0.145703	31.953104	3.315	1.02346
	4 0.170910	16.618902	2.625	1.01542
	5 0.190917	11.236233	2.218	1.01056
	6 0.207254	8.645081	1.949	1.00741
	7 0.220891	7.158170	1.758	1.00529
	8 0.232476	6.205155	1.614	1.00381
	9 0.242459	5.546495	1.503	1.00274
	10 0.251165	5.065820	1.413	1.00197
	12 0.265642	4.413545	1.277	1.00098
	14 0.277225	3.992362	1.179	1.00045
	16 0.286722	3.699492	1.105	1.00016
	18 0.294666	3.483457	1.047	1.00003
	20 0.301406	3.317786	1.000	1.00000
	25 0.314546	3.034517	0.914	1.00033
	30 0.324128	2.855595	0.856	1.00039
	35 0.331435	2.732303	0.813	1.00068
	40 0.337197	2.642169	0.781	1.00096
	45 0.341860	2.573337	0.756	1.00123
	50 0.345712	2.519168	0.735	1.00148
	55 0.348949	2.475323	0.718	1.00170
	60 0.351707	2.439132	0.704	1.00191

CONFIDENCE LEVEL=.99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
25	1 0.071293	7619.191439	9.523	1.06860
	2 0.119591	119.328255	5.033	1.04009
	3 0.155098	31.483250	3.550	1.02564
	4 0.182499	16.318443	2.824	1.01746
	5 0.204425	11.000364	2.393	1.01241
	6 0.222461	8.441633	2.109	1.00909
	7 0.237618	6.973663	1.906	1.00679
	8 0.250574	6.032818	1.753	1.00515
	9 0.261803	5.382503	1.634	1.00393
	10 0.271645	4.907823	1.539	1.00302
	12 0.288126	4.263421	1.394	1.00179
	14 0.301423	3.847498	1.288	1.00104
	16 0.312406	3.557273	1.208	1.00058
	18 0.321647	3.343361	1.145	1.00030
	20 0.329542	3.179186	1.094	1.00013
	25 0.345052	2.898116	1.000	1.00000
	30 0.356477	2.720261	0.936	1.00007
	35 0.365262	2.597511	0.989	1.00022
	40 0.372235	2.507646	0.853	1.00040
	45 0.377909	2.438986	0.924	1.00058
	50 0.382618	2.384803	0.801	1.00076
	55 0.386592	2.340945	0.782	1.00094
	60 0.389990	2.304713	0.766	1.00110

CONFIDENCE LEVEL=.99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
30	1 0.073913	75 88.424462	9.907	1.06986
	2 0.124343	118.481158	5.259	1.04160
	3 0.161658	31.174496	3.724	1.02716
	4 0.190631	16.120073	2.970	1.01891
	5 0.213945	10.844105	2.524	1.01377
	6 0.233222	8.306481	2.229	1.01035
	7 0.249501	6.850804	2.018	1.00795
	8 0.263476	5.917824	1.860	1.00620
	9 0.275637	5.272870	1.736	1.00490
	10 0.286338	4.802015	1.636	1.00390
	12 0.304348	4.162573	1.484	1.00250
	14 0.318968	3.749601	1.374	1.00162
	16 0.331111	3.461240	1.290	1.00103
	18 0.341380	3.248555	1.223	1.00065
	20 0.350190	3.085205	1.169	1.00039
	25 0.367612	2.805230	1.069	1.00007
	30 0.380549	2.627781	1.000	1.00000
	35 0.390562	2.505132	0.949	1.00004
	40 0.398553	2.415224	0.911	1.00014
	45 0.405086	2.346452	0.880	1.00025
	50 0.410530	2.292125	0.855	1.00038
	55 0.415133	2.248110	0.834	1.00051
	60 0.419091	2.211719	0.817	1.00063

CONFIDENCE LEVEL=.99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
35	1 0.075830	75 67.088454	10.195	1.07076
	2 0.127834	117.885653	5.430	1.04270
	3 0.166495	30.956225	3.856	1.02829
	4 0.196647	15.979364	3.093	1.02001
	5 0.221010	10.732995	2.626	1.01481
	6 0.241232	8.210137	2.323	1.01132
	7 0.258370	6.763118	2.106	1.00886
	8 0.273132	5.835625	1.943	1.00705
	9 0.286016	5.194392	1.816	1.00568
	10 0.297336	4.726175	1.713	1.00462
	12 0.316398	4.090113	1.556	1.00312
	14 0.332269	3.679117	1.442	1.00213
	16 0.345341	3.391966	1.355	1.00147
	18 0.356437	3.180045	1.286	1.00100
	20 0.365992	3.017183	1.230	1.00068
	25 0.384984	2.737765	1.125	1.00022
	30 0.399181	2.560414	1.053	1.00004
	35 0.410228	2.437672	1.000	1.00000
	40 0.419085	2.347589	0.959	1.00003
	45 0.426354	2.278610	0.926	1.00009
	50 0.432432	2.224067	0.900	1.00017
	55 0.437592	2.179839	0.878	1.00026
	60 0.442030	2.143241	0.859	1.00036

CONFIDENCE LEVEL=.99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
40	0.077293	7551.441148	10.420	1.07144
1	0.130506	117.444348	5.565	1.04354
2	0.170207	30.793789	3.960	1.02915
3	0.201275	15.874386	3.173	1.02085
4	0.226459	10.649946	2.707	1.01562
5	0.247424	8.138102	2.398	1.01209
6	0.265240	6.697391	2.177	1.00959
7	0.280626	5.773938	2.011	1.00773
8	0.294088	5.135434	1.880	1.00632
9	0.305994	4.669142	1.775	1.00522
10	0.326174	4.035527	1.615	1.00364
12	0.342698	3.625921	1.499	1.00259
14	0.356529	3.339603	1.409	1.00186
16	0.368307	3.128136	1.333	1.00134
18	0.378477	2.965623	1.280	1.00096
20	0.398780	2.686473	1.173	1.00040
25	0.414040	2.509074	1.098	1.00014
30	0.425969	2.386151	1.043	1.00003
35	0.435571	2.295839	1.000	1.00000
40	0.443477	2.226617	0.966	1.00002
45	0.450107	2.171333	0.933	1.00006
50	0.455750	2.127374	0.915	1.00012
55	0.460615	2.090538	0.895	1.00019
60				

CONFIDENCE LEVEL=.99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
45	0.078445	7539.482135	10.600	1.07197
1	0.132616	117.104305	5.673	1.04419
2	0.173145	30.668214	4.045	1.02983
3	0.204945	15.793070	3.246	1.02153
4	0.230789	10.585524	2.773	1.01628
5	0.252353	8.082120	2.459	1.01272
6	0.270718	6.646293	2.235	1.01018
7	0.286611	5.725933	2.066	1.00830
8	0.300544	5.089514	1.934	1.00686
9	0.312889	4.624685	1.827	1.00573
10	0.333865	3.992910	1.665	1.00409
12	0.351095	3.584335	1.546	1.00299
14	0.365558	3.298616	1.455	1.00221
16	0.377905	3.087543	1.382	1.00165
18	0.388593	2.925175	1.323	1.00123
20	0.410006	2.646142	1.213	1.00058
25	0.426175	2.468611	1.136	1.00025
30	0.438864	2.345470	1.079	1.00009
35	0.444911	2.254910	1.035	1.00002
40	0.457575	2.185436	1.000	1.00000
45	0.464690	2.130408	0.971	1.00001
50	0.470760	2.085717	0.947	1.00005
55	0.476003	2.048634	0.926	1.00009
60				

CONFIDENCE LEVEL=.99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
50				
1	0.079377	7530.048530	10.747	1.07239
2	0.134325	116.834303	5.762	1.04472
3	0.175528	30.568243	4.115	1.03039
4	0.207927	15.728232	3.307	1.02208
5	0.234310	10.534096	2.828	1.01681
6	0.256368	8.037387	2.511	1.01324
7	0.275187	6.605428	2.284	1.01068
8	0.291501	5.687516	2.113	1.00877
9	0.305825	5.052737	1.975	1.00731
10	0.318535	4.589035	1.871	1.00616
12	0.340177	3.958712	1.706	1.00448
14	0.358001	3.550927	1.536	1.00333
16	0.372997	3.265653	1.494	1.00252
18	0.385828	3.054823	1.420	1.00192
20	0.396957	2.892582	1.360	1.00148
25	0.419322	2.513571	1.248	1.00076
30	0.436276	2.435876	1.170	1.00033
35	0.449627	2.312503	1.111	1.00017
40	0.460441	2.221595	1.066	1.00006
45	0.469394	2.151974	1.030	1.00001
50	0.476938	2.096703	1.000	1.00000
55	0.483388	2.051794	0.975	1.00001
60	0.488969	2.014552	0.954	1.00003

CONFIDENCE LEVEL=.99
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
55				
1	0.080145	7522.419235	10.870	1.07273
2	0.135736	116.614733	5.836	1.04516
3	0.177499	30.486773	4.173	1.03035
4	0.210397	15.675326	3.357	1.02254
5	0.237232	10.492092	2.874	1.01726
6	0.259703	8.000322	2.554	1.01367
7	0.278903	6.572003	2.325	1.01110
8	0.295570	5.656072	2.153	1.00917
9	0.310224	5.022619	2.019	1.00769
10	0.323243	4.559860	1.908	1.00652
12	0.345451	3.930661	1.742	1.00481
14	0.363780	3.523497	1.621	1.00364
16	0.379233	3.238564	1.527	1.00280
18	0.392479	3.027913	1.453	1.00217
20	0.403988	2.865751	1.392	1.00170
25	0.427178	2.586710	1.273	1.00094
30	0.444818	2.408835	1.199	1.00051
35	0.458750	2.285234	1.139	1.00026
40	0.470063	2.194134	1.093	1.00012
45	0.479451	2.124225	1.056	1.00005
50	0.487378	2.068733	1.026	1.00001
55	0.494168	2.023603	1.000	1.00000
60	0.500052	1.986165	0.978	1.00001

CONFIDENCE LEVEL=.99
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
60 1	0.080790	7516.123368	10.973	1.07302
2	0.136922	116.432703	5.900	1.04552
3	0.179156	30.419107	4.223	1.03123
4	0.212476	15.631337	3.401	1.02293
5	0.239694	10.457141	2.914	1.01764
6	0.262515	7.970377	2.591	1.01404
7	0.282040	6.544155	2.361	1.01146
8	0.299009	5.629860	2.187	1.00952
9	0.313945	4.957499	2.051	1.00803
10	0.327229	4.535499	1.941	1.00684
12	0.349923	3.907234	1.773	1.00511
14	0.368688	3.500570	1.651	1.00391
16	0.384536	3.215905	1.556	1.00304
18	0.398143	3.005391	1.481	1.00240
20	0.409982	2.843275	1.420	1.00191
25	0.433894	2.564171	1.305	1.00110
30	0.452137	2.386114	1.224	1.00063
35	0.466583	2.262291	1.164	1.00036
40	0.478341	2.171010	1.117	1.00019
45	0.488118	2.100826	1.080	1.00009
50	0.496388	2.045121	1.048	1.00003
55	0.503483	1.999794	1.022	1.00001
60	0.509641	1.962166	1.000	1.00000

CONFIDENCE LEVEL=.99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.000015	64844.890735	1.0000	1.000000
2	0.000022	597.457255	0.501	1.00986
3	0.000026	142.402118	0.339	1.02134
4	0.000028	72.774152	0.261	1.03087
5	0.000029	49.592371	0.217	1.03741
6	0.000030	38.749937	0.189	1.04235
7	0.000031	32.646466	0.170	1.04592
8	0.000031	28.788691	0.156	1.04878
9	0.000032	26.151589	0.145	1.05107
10	0.000032	24.243160	0.137	1.05293
12	0.000032	21.677691	0.125	1.05578
14	0.000032	20.041272	0.117	1.05784
16	0.000033	18.912047	0.110	1.05941
18	0.000033	18.082176	0.106	1.06063
20	0.000033	17.452703	0.102	1.06162
25	0.000033	16.384427	0.096	1.06240
30	0.000033	15.717920	0.092	1.06459
35	0.000034	15.260394	0.089	1.06544
40	0.000034	14.926264	0.087	1.06608
45	0.000034	14.676623	0.085	1.06658
50	0.000034	14.477432	0.084	1.06698
55	0.000034	14.319003	0.083	1.06730
60	0.000034	14.185238	0.082	1.06757

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.001674	45074.417924	1.995	1.00936
3	0.002506	398.599241	1.000	1.00000
3	0.002991	92.482972	0.676	1.00304
4	0.003297	46.348770	0.520	1.00798
5	0.003502	31.135636	0.431	1.01259
6	0.003648	24.071486	0.374	1.01650
7	0.003755	20.113659	0.335	1.01973
8	0.003838	17.620631	0.306	1.02241
9	0.003902	15.920603	0.284	1.02466
10	0.003954	14.693383	0.267	1.02655
12	0.004033	13.048680	0.243	1.02956
14	0.004089	12.002357	0.226	1.03183
16	0.004131	11.280657	0.213	1.03360
18	0.004164	10.753839	0.204	1.03501
20	0.004190	10.352827	0.196	1.03617
25	0.004236	9.673940	0.183	1.03830
30	0.004267	9.250167	0.174	1.03976
35	0.004289	8.960749	0.168	1.04082
40	0.004306	8.750649	0.164	1.04162
45	0.004318	8.591228	0.160	1.04225
50	0.004328	8.466168	0.158	1.04276
55	0.004337	8.365420	0.156	1.04318
60	0.004344	8.282565	0.154	1.04353

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
3	1 0.007022	38749.840441	2.950	1.02184
	2 0.010813	334.325526	1.480	1.00304
	3 0.013148	76.056127	1.000	1.00000
	4 0.014692	37.598407	0.769	1.00128
	5 0.015771	25.000035	0.636	1.00366
	6 0.016560	19.176177	0.551	1.00616
	7 0.017158	15.923745	0.492	1.00848
	8 0.017626	13.880055	0.449	1.01055
	9 0.018001	12.489101	0.416	1.01237
	10 0.018308	11.486510	0.391	1.01397
	12 0.018780	10.145136	0.353	1.01660
	14 0.019124	9.293344	0.327	1.01868
	16 0.019387	8.706609	0.303	1.02034
	18 0.019593	8.278745	0.294	1.02170
	20 0.019760	7.953322	0.282	1.02283
	25 0.020062	7.402978	0.262	1.02496
	30 0.020265	7.059825	0.249	1.02645
	35 0.020411	6.825651	0.239	1.02755
	40 0.020521	6.655751	0.232	1.02840
	45 0.020606	6.526895	0.227	1.02906
	50 0.020675	6.425833	0.223	1.02960
	55 0.020731	6.344460	0.220	1.03005
	60 0.020778	6.277535	0.217	1.03043

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
4	1 0.013740	35798.309963	3.826	1.03097
	2 0.021576	303.307471	1.922	1.00798
	3 0.026597	63.062892	1.300	1.00128
	4 0.030029	33.302744	1.000	1.00000
	5 0.032491	21.970085	0.827	1.00064
	6 0.034333	16.748345	0.715	1.00194
	7 0.035757	13.838995	0.638	1.00341
	8 0.036889	12.014101	0.581	1.00496
	9 0.037803	10.773756	0.533	1.00622
	10 0.038569	9.880693	0.504	1.00747
	12 0.039754	8.687304	0.454	1.00964
	14 0.040633	7.930445	0.420	1.01143
	16 0.041310	7.409585	0.394	1.01290
	18 0.041847	7.030027	0.375	1.01413
	20 0.042284	6.741503	0.359	1.01517
	25 0.043086	6.253901	0.322	1.01718
	30 0.043631	5.950093	0.315	1.01861
	35 0.044025	5.742874	0.302	1.01969
	40 0.044324	5.592586	0.293	1.02052
	45 0.044558	5.478637	0.286	1.02118
	50 0.044747	5.389237	0.280	1.02173
	55 0.044902	5.317354	0.275	1.02218
	60 0.045021	5.258204	0.272	1.02256

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
5	1 0.020166	34153.138139	4.606	1.03741
	2 0.032118	285.511753	2.320	1.01259
	3 0.040000	63.407449	1.571	1.00366
	4 0.045516	30.777953	1.210	1.00064
	5 0.049558	20.178266	1.000	1.00000
	6 0.052633	15.306210	0.865	1.00036
	7 0.055044	12.596457	0.770	1.00113
	8 0.056982	10.898985	0.701	1.00206
	9 0.058573	9.746409	0.648	1.00302
	10 0.059901	8.917203	0.607	1.00395
	12 0.061991	7.810107	0.546	1.00567
	14 0.063559	7.108610	0.503	1.00716
	16 0.064779	6.626160	0.472	1.00843
	18 0.065755	6.274761	0.443	1.00951
	20 0.066552	6.007744	0.429	1.01045
	25 0.068027	5.556638	0.395	1.01229
	30 0.069040	5.275784	0.373	1.01363
	35 0.069778	5.084248	0.358	1.01466
	40 0.070339	4.945365	0.346	1.01546
	45 0.070780	4.840081	0.337	1.01611
	50 0.071137	4.757536	0.330	1.01664
	55 0.071430	4.691039	0.324	1.01703
	60 0.071676	4.636454	0.319	1.01746

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
6	1 0.025806	33128.586435	5.294	1.04225
	2 0.041543	274.126239	2.674	1.01650
	3 0.052148	60.387557	1.815	1.00616
	4 0.059707	29.126459	1.399	1.00194
	5 0.065333	18.999595	1.157	1.00036
	6 0.069669	14.353662	1.000	1.00000
	7 0.073107	11.773152	0.891	1.00022
	8 0.075897	10.158251	0.810	1.00071
	9 0.078205	9.062370	0.749	1.00133
	10 0.080146	8.274761	0.701	1.00200
	12 0.083226	7.223604	0.629	1.00331
	14 0.085561	6.557977	0.579	1.00452
	16 0.087390	6.100400	0.542	1.00539
	18 0.088861	5.767225	0.514	1.00654
	20 0.090071	5.514115	0.492	1.00736
	25 0.092323	5.086672	0.452	1.00903
	30 0.093880	4.820347	0.426	1.01028
	35 0.095022	4.639118	0.407	1.01124
	40 0.095893	4.507580	0.393	1.01201
	45 0.096581	4.407871	0.383	1.01263
	50 0.097138	4.329702	0.374	1.01314
	55 0.097598	4.266781	0.367	1.01357
	60 0.097983	4.215046	0.362	1.01394

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.030630	32439.475373	5.857	1.04592
1	0.049717	266.281498	2.988	1.01573
2	0.062799	58.281405	2.033	1.00848
3	0.072260	27.966203	1.563	1.00341
4	0.079387	18.167392	1.298	1.00113
5	0.084939	13.678656	1.123	1.00022
6	0.089381	11.188081	1.000	1.00000
7	0.093014	9.630661	0.910	1.00014
8	0.096039	8.574589	0.840	1.00043
9	0.098598	7.815595	0.786	1.00091
10	0.102687	6.803354	0.705	1.00188
12	0.105311	6.162660	0.648	1.00234
14	0.108275	5.722354	0.606	1.00373
16	0.110268	5.401319	0.574	1.00454
18	0.111913	5.158346	0.548	1.00527
20	0.114994	4.747239	0.503	1.00676
25	0.117139	4.491318	0.473	1.00731
30	0.118719	4.316856	0.452	1.00882
35	0.119930	4.190372	0.436	1.00954
40	0.120989	4.094497	0.424	1.01013
45	0.121665	4.019333	0.414	1.01062
50	0.122308	3.959830	0.406	1.01104
55	0.122849	3.909084	0.399	1.01140
60				

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
8	0.034735	31949.023413	6.428	1.04878
1	0.056752	260.578094	3.268	1.02241
2	0.072046	56.733955	2.227	1.01055
3	0.083236	27.103304	1.721	1.00486
4	0.091752	17.549391	1.426	1.00206
5	0.098442	13.175730	1.234	1.00071
6	0.103835	10.751115	1.099	1.00014
7	0.108274	9.235825	1.000	1.00000
8	0.111992	8.208730	0.924	1.00010
9	0.115151	7.470893	0.863	1.00033
10	0.120231	6.487136	0.774	1.00100
12	0.124139	5.864666	0.711	1.00174
14	0.127238	5.436965	0.665	1.00243
16	0.129757	5.125642	0.629	1.00316
18	0.131844	4.889184	0.600	1.00380
20	0.133572	4.489941	0.549	1.00513
25	0.138525	4.241409	0.516	1.00619
30	0.140555	4.071932	0.492	1.00703
35	0.142125	3.949143	0.474	1.00771
40	0.143367	3.856027	0.460	1.00827
45	0.144376	3.783023	0.449	1.00874
50	0.145212	3.724258	0.441	1.00914
55	0.145917	3.675939	0.433	1.00948
60				

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.0382239	31584.550664	6.896	1.05107
2	0.0628120	256.259579	3.517	1.02466
3	0.080070	55.551515	2.402	1.01237
4	0.092819	26.449153	1.859	1.00622
5	0.102602	17.072769	1.542	1.00302
6	0.110344	12.786859	1.335	1.00133
7	0.116624	10.412422	1.190	1.00048
8	0.121821	8.929236	1.083	1.00010
9	0.126194	7.924299	1.000	1.00000
10	0.129926	7.202480	0.935	1.00007
12	0.135960	6.240382	0.838	1.00048
14	0.140628	5.631746	0.769	1.00103
16	0.144349	5.213596	0.718	1.00162
18	0.147385	4.909242	0.675	1.00220
20	0.149909	4.678080	0.648	1.00274
25	0.154683	4.287773	0.592	1.00393
30	0.158047	4.044737	0.555	1.00489
35	0.160342	3.879126	0.529	1.00567
40	0.162463	3.759007	0.509	1.00631
45	0.164000	3.667946	0.494	1.00684
50	0.165247	3.596548	0.482	1.00729
55	0.166282	3.539071	0.472	1.00767
60	0.167155	3.491309	0.464	1.00800

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.041250	31304.346633	7.311	1.05293
2	0.0680038	252.834196	3.739	1.02655
3	0.087059	54.619948	2.560	1.01397
4	0.101207	25.927370	1.984	1.00747
5	0.112143	16.694234	1.647	1.00395
6	0.120849	12.477213	1.427	1.00200
7	0.127949	10.142239	1.273	1.00091
8	0.133353	8.684270	1.159	1.00033
9	0.138341	7.696689	1.070	1.00007
10	0.143113	6.987475	1.000	1.00000
12	0.150052	6.042347	0.896	1.00018
14	0.155450	5.444527	0.823	1.00057
16	0.159771	5.033830	0.768	1.00103
18	0.163309	4.734902	0.725	1.00151
20	0.166260	4.507855	0.692	1.00197
25	0.171866	4.124470	0.631	1.00302
30	0.175832	3.885760	0.591	1.00339
35	0.178787	3.722993	0.563	1.00461
40	0.181074	3.604953	0.541	1.00521
45	0.182896	3.515466	0.525	1.00572
50	0.184383	3.445291	0.512	1.00615
55	0.185619	3.388794	0.501	1.00651
60	0.186662	3.342334	0.492	1.00683

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
12 1	0.046131	309 04.077500	8.012	1.05578
2	0.076636	247.962563	4.120	1.02556
3	0.098369	53.248403	2.832	1.01660
4	0.115111	25.154665	2.201	1.00964
5	0.128039	16.131403	1.832	1.00567
6	0.138435	12.015408	1.589	1.00331
7	0.146986	9.738305	1.418	1.00188
8	0.154151	8.317295	1.292	1.00100
9	0.160247	7.355128	1.194	1.00048
10	0.165499	6.664347	1.116	1.00018
12	0.174095	5.743981	1.000	1.00000
14	0.180842	5.161894	0.918	1.00011
16	0.186284	4.761999	0.856	1.00035
18	0.190768	4.470906	0.808	1.00066
20	0.194528	4.249732	0.770	1.00093
25	0.201723	3.876303	0.701	1.00179
30	0.206857	3.643669	0.656	1.00250
35	0.210706	3.484984	0.623	1.00312
40	0.213701	3.369871	0.599	1.00364
45	0.216097	3.282569	0.580	1.00409
50	0.218058	3.214093	0.564	1.00447
55	0.219692	3.158952	0.552	1.00481
60	0.221076	3.113597	0.542	1.00510

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
14 1	0.049397	306 33.624669	3.580	1.05784
2	0.083317	244.557468	4.432	1.03133
3	0.107604	52.289035	3.057	1.01868
4	0.126096	24.610616	2.383	1.01143
5	0.140674	15.733310	1.986	1.00716
6	0.152486	11.687634	1.726	1.00452
7	0.162268	9.450802	1.543	1.00284
8	0.170513	8.055483	1.406	1.00174
9	0.177565	7.110955	1.300	1.00103
10	0.183671	6.432942	1.216	1.00057
12	0.193727	5.529674	1.090	1.00011
14	0.201678	4.958394	1.000	1.00000
16	0.208130	4.565878	0.933	1.00007
18	0.213474	4.280109	0.880	1.00023
20	0.217975	4.062986	0.838	1.00045
25	0.226644	3.696139	0.763	1.00104
30	0.232874	3.467518	0.712	1.00162
35	0.237572	3.311499	0.675	1.00213
40	0.241243	3.198272	0.649	1.00259
45	0.244190	3.112371	0.627	1.00299
50	0.246610	3.044973	0.610	1.00333
55	0.248632	2.990634	0.596	1.00364
60	0.250347	2.946020	0.585	1.00391

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.052882	30439.605696	9.047	1.05941
2	0.088647	242.067431	4.692	1.03360
3	0.114855	51.581339	3.246	1.02034
4	0.134960	24.207197	2.527	1.01290
5	0.150917	15.437045	2.119	1.00843
6	0.163924	11.443018	1.844	1.00559
7	0.174753	9.235750	1.649	1.00373
8	0.183926	7.859271	1.504	1.00248
9	0.191806	6.927655	1.392	1.00162
10	0.198656	6.258972	1.302	1.00103
12	0.209996	5.368152	1.168	1.00035
14	0.221901	4.804696	1.072	1.00007
16	0.226373	4.417492	1.000	1.00000
18	0.232404	4.135529	0.944	1.00005
20	0.237670	3.921250	0.899	1.00016
25	0.247691	3.559064	0.817	1.00058
30	0.254940	3.333220	0.762	1.00103
35	0.260434	3.179015	0.722	1.00147
40	0.264742	3.067036	0.693	1.00186
45	0.268214	2.982082	0.669	1.00221
50	0.271071	2.915339	0.651	1.00252
55	0.273464	2.861632	0.635	1.00280
60	0.275498	2.817429	0.623	1.00304

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
13	0.055299	30294.089137	9.437	1.06063
2	0.092990	240.170001	4.911	1.03501
3	0.122079	51.038254	3.407	1.02170
4	0.142247	23.996306	2.668	1.01413
5	0.159369	15.208054	2.232	1.00951
6	0.173394	11.253514	1.945	1.00654
7	0.185123	9.068837	1.742	1.00454
8	0.195098	7.706735	1.590	1.00316
9	0.203697	6.784958	1.473	1.00220
10	0.211193	6.123367	1.379	1.00151
12	0.222366	5.241973	1.237	1.00066
14	0.233633	4.684417	1.136	1.00023
16	0.244807	4.301189	1.060	1.00005
18	0.248625	4.022057	1.000	1.00000
20	0.254417	3.809877	0.952	1.00003
25	0.265676	3.451090	0.865	1.00030
30	0.273868	3.227230	0.806	1.00065
35	0.280102	3.074300	0.764	1.00100
40	0.285010	2.963213	0.732	1.00134
45	0.289397	2.878365	0.707	1.00165
50	0.292247	2.812540	0.687	1.00193
55	0.294992	2.759262	0.670	1.00219
60	0.297330	2.715332	0.656	1.00240

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
20	0.057296	0.145217	0.7699	1.06162
21	0.0096592	0.677552	0.0993	1.03617
22	0.0125734	0.608578	0.5466	1.02283
23	0.0148335	0.649480	0.7822	1.01517
24	0.0166452	0.5025806	0.3311	1.01045
25	0.0181353	0.102405	0.034	1.00736
26	0.0193861	0.935330	0.824	1.00527
27	0.0204533	0.584746	0.666	1.00380
28	0.0213763	0.670700	0.544	1.00274
29	0.0221835	0.014671	0.446	1.00197
30	0.0235306	0.140653	0.299	1.00098
31	0.0246124	0.587673	0.193	1.00045
32	0.0255031	0.207514	0.133	1.00016
33	0.0262476	0.930552	0.050	1.00003
34	0.0268820	0.719967	0.000	1.00000
35	0.0278121	0.263730	0.908	1.00003
36	0.0290272	0.141327	0.846	1.00039
37	0.0309719	0.939309	0.301	1.00069
38	0.0326664	0.878830	0.763	1.00096
39	0.0307094	0.794909	0.741	1.00123
40	0.0310757	0.728994	0.719	1.00148
45	0.0313837	0.675848	0.702	1.00170
50	0.0316464	0.632036	0.687	1.00191

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
25	0.061033	0.778133	0.411	1.06340
26	0.0103370	0.049924	0.466	1.03830
27	0.0133508	0.346394	0.820	1.02436
28	0.0159900	0.209600	0.009	1.01719
29	0.0179966	0.99968	0.530	1.01225
30	0.0196592	0.831560	0.214	1.00903
31	0.0210649	0.656092	0.989	1.00676
32	0.0222720	0.365234	0.620	1.00513
33	0.0233323	0.6464767	0.639	1.00393
34	0.0242455	0.818476	0.584	1.00302
35	0.0257973	0.957290	0.426	1.00179
36	0.0270553	0.412211	0.311	1.00104
37	0.0280973	0.037286	0.234	1.00058
38	0.0289764	0.763373	0.136	1.00030
39	0.0297289	0.556045	0.004	1.00013
40	0.0312116	0.203334	0.000	1.00000
45	0.0323307	0.983731	0.931	1.00007
50	0.0333823	0.833099	0.881	1.00022
55	0.0343709	0.723461	0.843	1.00040
60	0.0355373	0.640090	0.813	1.00058
		0.574544	0.786	1.00076
		0.521551	0.769	1.00094
		0.478066	0.752	1.00110

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.0063628	29861.3314153	10.875	1.06459
20	0.0108106	234.3341399	5.735	1.03676
30	0.0144647	49.3346348	4.023	1.02645
40	0.0168065	22.9196227	3.179	1.01861
50	0.0188545	14.4843333	2.680	1.01366
60	0.0207445	10.6513355	2.350	1.01028
70	0.0222652	8.5368411	2.115	1.00731
80	0.0233777	7.3218922	1.939	1.00619
90	0.0244723	6.3272352	1.802	1.00489
100	0.0255735	5.6872333	1.692	1.00389
110	0.0267444	4.9342588	1.525	1.00250
120	0.0278839	4.3294162	1.404	1.00162
130	0.0289000	3.8222436	1.314	1.00093
140	0.0298333	3.4450043	1.248	1.00039
150	0.0307145	3.0952733	1.197	1.00007
160	0.0315767	2.8762835	1.156	1.00000
170	0.0323389	2.7262114	1.121	1.00004
180	0.0330516	2.6166335	1.090	1.00001
190	0.0337153	2.5336821	1.063	1.00002
200	0.0343333	2.4682001	1.040	1.00003
250	0.0381133	2.4153117	0.824	1.00005
300	0.0385193	2.371706	0.805	1.00006

CONFIDENCE LEVEL = .995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
35	0.0065533	29775.293427	11.225	1.06544
40	0.0111593	2333.1422758	5.940	1.04082
50	0.0146506	433.9934322	4.179	1.02755
60	0.0174129	222.4114176	3.510	1.01939
70	0.0196686	142.3312257	2.796	1.01466
80	0.0215558	100.5223933	2.456	1.01124
90	0.0231630	8.4232800	2.214	1.00893
100	0.0243533	7.1114436	2.033	1.00703
110	0.0257790	6.2228398	1.891	1.00567
120	0.0268601	5.5532511	1.777	1.00461
130	0.0278694	4.7459941	1.605	1.00311
140	0.0288197	4.2009246	1.480	1.00211
150	0.0296456	3.8397511	1.384	1.00144
160	0.0303527	3.5701233	1.309	1.00100
170	0.0309532	3.3647822	1.248	1.00068
180	0.0314680	3.0164337	1.135	1.00032
190	0.0319760	2.798073	1.057	1.00004
200	0.0324823	2.6482555	1.000	1.00000
250	0.0386283	2.5390003	0.956	1.00003
300	0.0393415	2.4557770	0.921	1.00009
350	0.0399337	2.3902113	0.893	1.00017
400	0.0404462	2.337226	0.870	1.00026
450	0.0408832	2.293500	0.850	1.00036

CONFIDENCE LEVEL = .995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
40	1 0.066990	29712.371844	11.499	1.06608
	2 0.114277	232.255839	6.101	1.04162
	3 0.150246	49.731066	4.302	1.02840
	4 0.178808	22.561029	3.415	1.02052
	5 0.202210	14.216880	2.890	1.01546
	6 0.221849	10.428239	2.542	1.01201
	7 0.238642	9.338214	2.295	1.00954
	8 0.253220	7.036070	2.109	1.00771
	9 0.266028	6.155055	1.964	1.00631
	10 0.277396	5.522615	1.847	1.00521
	11 0.289674	4.667944	1.770	1.00364
	12 0.312669	4.145203	1.542	1.00259
	14 0.326046	3.777253	1.444	1.00136
	16 0.337472	3.508654	1.366	1.00134
	20 0.347363	3.303935	1.303	1.00096
	25 0.357180	3.956557	1.135	1.00040
	30 0.382132	2.738522	1.105	1.00014
	35 0.393855	2.588775	1.046	1.00003
	40 0.403311	2.479475	1.000	1.00000
	45 0.411112	2.396123	0.964	1.00002
	50 0.417663	2.330473	0.934	1.00006
	55 0.423247	2.277233	0.909	1.00012
	60 0.428064	2.233599	0.888	1.00019

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
45	1 0.068141	29664.386133	11.719	1.06658
	2 0.116393	231.573373	6.231	1.04225
	3 0.153212	48.528421	4.402	1.02906
	4 0.182527	22.442483	3.500	1.02118
	5 0.206608	14.128210	2.966	1.01611
	6 0.226867	10.353961	2.613	1.01263
	7 0.244230	8.272115	2.361	1.01013
	8 0.259334	6.975119	2.172	1.00827
	9 0.272632	6.097572	2.024	1.00634
	10 0.283457	5.467533	1.905	1.00572
	11 0.300469	4.627559	1.725	1.00409
	12 0.321298	4.095163	1.594	1.00299
	14 0.335366	3.728370	1.494	1.00221
	16 0.347355	3.460508	1.414	1.00165
	20 0.357795	3.256335	1.350	1.00133
	25 0.378775	3.909496	1.230	1.00058
	30 0.394685	2.691621	1.147	1.00025
	35 0.407204	2.541844	1.085	1.00009
	40 0.417341	2.432427	1.032	1.00002
	45 0.425729	2.343913	1.000	1.00000
	50 0.432790	2.283046	0.969	1.00001
	55 0.438825	2.229730	0.943	1.00005
	60 0.444040	2.185673	0.921	1.00009

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
50	0.069072	26.601254	11.899	0.06698
3	0.118117	23.031976	6.3339	0.04276
4	0.155622	21.367207	4.485	0.02960
5	0.188553	20.348013	3.571	0.02173
6	0.221019	19.057460	3.030	0.01664
7	0.253487	18.294635	2.672	0.01314
8	0.286433	17.92777	2.416	0.01062
9	0.323798	16.926353	2.225	0.00874
10	0.364044	16.051533	2.075	0.00729
11	0.407802	15.423498	1.955	0.00647
12	0.455113	14.953443	1.857	0.00573
13	0.506340	14.605938	1.783	0.00513
14	0.561553	14.33763	1.730	0.00464
15	0.621837	14.121795	1.690	0.00423
16	0.687318	13.951315	1.663	0.00388
17	0.758155	13.813340	1.643	0.00357
18	0.834477	13.703973	1.628	0.00330
19	0.916301	13.617002	1.617	0.00306
20	1.003637	13.547340	1.609	0.00284
21	1.096552	13.490344	1.603	0.00264
22	1.195091	13.443344	1.600	0.00246
23	1.299296	13.404344	1.598	0.00230
24	1.409214	13.372344	1.597	0.00216
25	1.524961	13.346344	1.596	0.00203
26	1.646534	13.325344	1.595	0.00191

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
55	0.069841	29.59206	12.050	0.06730
3	0.119540	26.03201	6.429	0.04318
4	0.157638	24.23305	4.553	0.03005
5	0.188063	22.70996	3.631	0.02188
6	0.221317	21.39963	3.084	0.01708
7	0.257436	20.24661	2.722	0.01357
8	0.296250	19.17607	2.464	0.01104
9	0.338351	18.23364	2.270	0.00914
10	0.384256	17.40373	2.113	0.00767
11	0.434390	16.67733	1.997	0.00651
12	0.489056	16.05133	1.912	0.00561
13	0.548537	15.51307	1.847	0.00481
14	0.613141	15.05673	1.794	0.00418
15	0.683213	14.67368	1.752	0.00364
16	0.759112	14.35999	1.719	0.00317
17	0.841120	14.10939	1.693	0.00277
18	0.929593	13.91634	1.673	0.00242
19	1.024785	13.77539	1.658	0.00211
20	1.126951	13.68134	1.646	0.00184
21	1.236349	13.63134	1.636	0.00161
22	1.353241	13.62134	1.628	0.00141
23	1.477881	13.64934	1.622	0.00124
24	1.610521	13.70134	1.617	0.00110
25	1.751414	13.77334	1.613	0.00097
26	1.900814	13.86134	1.609	0.00086
27	2.058981	13.96134	1.606	0.00076
28	2.226174	14.07134	1.603	0.00068
29	2.402641	14.19134	1.601	0.00061
30	2.588641	14.32134	1.600	0.00055
31	2.784441	14.46134	1.600	0.00050
32	2.990241	14.61134	1.600	0.00045
33	3.206241	14.77134	1.600	0.00041
34	3.432641	14.94134	1.600	0.00037
35	3.669641	15.12134	1.600	0.00034
36	3.917441	15.31134	1.600	0.00031
37	4.176241	15.51134	1.600	0.00028
38	4.446241	15.72134	1.600	0.00026
39	4.727641	15.94134	1.600	0.00024
40	5.020641	16.17134	1.600	0.00022
41	5.325441	16.41134	1.600	0.00020
42	5.642241	16.66134	1.600	0.00019
43	5.971241	16.92134	1.600	0.00018
44	6.312641	17.19134	1.600	0.00017
45	6.666641	17.47134	1.600	0.00016
46	7.033441	17.76134	1.600	0.00015
47	7.414241	18.06134	1.600	0.00014
48	7.809241	18.37134	1.600	0.00013
49	8.218641	18.69134	1.600	0.00012
50	8.642641	19.02134	1.600	0.00011

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
60	1 0.070487	29570.9335377	12.173	1.06757
	2 0.120736	230.227673	6.505	1.04353
	3 0.159298	48.126905	4.614	1.03043
	4 0.190179	22.206923	3.682	1.02256
	5 0.215682	13.951643	3.130	1.01746
	6 0.237245	10.205311	2.765	1.01394
	7 0.255814	8.140039	2.504	1.01140
	8 0.272035	6.853216	2.309	1.00948
	9 0.286385	5.982467	2.156	1.00800
	10 0.299192	5.357263	2.033	1.00683
	12 0.321172	4.523328	1.846	1.00510
	14 0.339441	3.994452	1.710	1.00391
	16 0.354934	3.629795	1.605	1.00304
	18 0.368280	3.363264	1.523	1.00240
	20 0.379927	3.159920	1.456	1.00191
	25 0.403541	2.813343	1.330	1.00110
	30 0.421637	2.536099	1.242	1.00063
	35 0.436015	2.445994	1.177	1.00036
	40 0.447748	2.336097	1.126	1.00019
	45 0.457525	2.252052	1.085	1.00009
	50 0.465809	2.185630	1.052	1.00003
	55 0.472926	2.131772	1.024	1.00001
	60 0.479112	2.087196	1.000	1.00000

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION			
1	16	21	138	207	261	1.0000	1.000000
2	8	9	91	119	089	0.5002	1.000773
3	1	1	23	051	130	0.3336	1.017433
4	1	1	68	474	393	0.2555	1.025000
5	1	1	99	738	947	0.2008	1.030664
6	1	1	71	222	991	0.178	1.034372
7	1	1	56	242	130	0.159	1.038131
8	1	1	47	436	921	0.144	1.040689
9	1	1	41	683	800	0.133	1.042722
10	1	1	37	627	226	0.124	1.044339
11	1	1	33	448	918	0.111	1.046951
12	1	1	29	183	709	0.103	1.048881
13	1	1	26	964	217	0.093	1.050224
14	1	1	25	423	784	0.082	1.051311
15	1	1	24	324	287	0.087	1.053199
16	1	1	22	338	570	0.082	1.053790
17	1	1	21	159	236	0.077	1.054955
18	1	1	20	338	769	0.075	1.055613
19	1	1	19	771	949	0.073	1.056183
20	1	1	18	364	449	0.070	1.056663
21	1	1	18	978	313	0.070	1.056983
22	1	1	18	753	132	0.068	1.057277
23	1	1	18	499	475	0.068	1.057511

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.000334	0.063990	1.9999	1.000773
3	0.000500	0.003676	1.0000	1.000000
4	0.000599	0.254030	0.6700	1.002511
5	0.000663	0.889934	0.5009	1.006751
6	0.000707	0.173330	0.4166	1.010822
7	0.000738	0.352814	0.3556	1.014333
8	0.000761	0.400202	0.3153	1.017277
9	0.000779	0.786454	0.2835	1.019773
10	0.000793	0.123208	0.2622	1.021800
11	0.000804	0.567706	0.2444	1.023555
12	0.000821	0.267223	0.2133	1.026333
13	0.000833	0.246099	0.2001	1.028444
14	0.000843	0.989656	0.1838	1.030003
15	0.000849	0.919719	0.1737	1.031404
16	0.000855	0.193124	0.1707	1.032477
17	0.000865	0.986948	0.1577	1.034455
18	0.000871	0.249832	0.1488	1.035800
19	0.000876	0.753518	0.1422	1.036788
20	0.000879	0.396942	0.1388	1.037522
21	0.000883	0.129473	0.1334	1.038100
22	0.000888	0.919153	0.1322	1.038577
23	0.000888	0.751454	0.1299	1.038966
24	0.000887	0.614018	0.1277	1.039288

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
3	1 0.002362	963395.689596	2.983	1.01743
	2 0.003646	1669.144862	1.493	1.00251
	3 0.004450	224.701141	1.000	1.00000
	4 0.004992	86.317042	0.760	1.00112
	5 0.005377	49.653468	0.620	1.00327
	6 0.005660	34.712662	0.530	1.00557
	7 0.005876	27.039247	0.469	1.00773
	8 0.006045	22.497283	0.422	1.00967
	9 0.006182	19.541352	0.383	1.01138
	10 0.006293	17.483586	0.361	1.01289
	12 0.006464	14.832357	0.322	1.01539
	14 0.006589	13.213106	0.295	1.01737
	16 0.006684	12.133527	0.275	1.01895
	18 0.006758	11.354114	0.260	1.02024
	20 0.006818	10.774743	0.248	1.02132
	25 0.006927	9.814476	0.228	1.02334
	30 0.006999	9.228572	0.214	1.02476
	35 0.007052	8.334534	0.205	1.02580
	40 0.007091	8.551763	0.198	1.02659
	45 0.007121	8.338998	0.193	1.02722
	50 0.007146	8.173174	0.188	1.02774
	55 0.007166	8.040337	0.185	1.02816
	60 0.007182	7.931554	0.182	1.02851

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
4	1 0.005934	885852.587311	3.923	1.02500
	2 0.009335	1508.352838	1.964	1.00675
	3 0.011535	200.301837	1.217	1.00112
	4 0.013136	76.124157	1.000	1.00000
	5 0.014265	43.421099	0.816	1.00059
	6 0.015117	30.150648	0.697	1.00180
	7 0.015779	23.355646	0.614	1.00318
	8 0.016306	19.345027	0.554	1.00457
	9 0.016735	16.739280	0.503	1.00587
	10 0.017091	14.923150	0.472	1.00707
	12 0.017646	12.593833	0.420	1.00916
	14 0.018057	11.178931	0.384	1.01089
	16 0.018372	10.229227	0.357	1.01231
	18 0.018624	9.551335	0.337	1.01350
	20 0.018823	9.045533	0.321	1.01451
	25 0.019202	8.207369	0.293	1.01644
	30 0.019456	7.696553	0.275	1.01783
	35 0.019639	7.353369	0.263	1.01886
	40 0.019778	7.107169	0.253	1.01966
	45 0.019836	6.922042	0.246	1.02030
	50 0.019974	6.777319	0.240	1.02082
	55 0.020045	6.662320	0.236	1.02125
	60 0.020105	6.567754	0.232	1.02162

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.010039	841903.296512	4.7955	1.03064
1	0.016083	1415.176854	2.405	1.01082
2	0.020140	185.990814	1.613	1.00327
3	0.0233030	70.100813	1.226	1.00059
4	0.025177	39.719451	1.000	1.00000
5	0.026824	27.431165	0.854	1.00034
6	0.028123	21.155265	0.752	1.00108
7	0.029172	17.456497	0.678	1.00197
8	0.030034	15.057536	0.621	1.00289
9	0.030756	13.392150	0.577	1.00380
10	0.031893	11.253181	0.512	1.0047
12	0.032747	9.952213	0.467	1.00692
14	0.033411	9.081335	0.434	1.00816
16	0.033943	8.461447	0.409	1.00922
18	0.034377	7.998400	0.389	1.01014
20	0.035180	7.232433	0.354	1.01193
25	0.035731	6.766080	0.331	1.01324
30	0.036132	6.452952	0.315	1.01424
35	0.036437	6.228423	0.303	1.01502
40	0.036676	6.059650	0.294	1.01565
45	0.036870	5.923203	0.287	1.01616
50	0.037029	5.822966	0.281	1.01659
55	0.037162	5.736816	0.276	1.01696
60				

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.014063	814296.817357	5.591	1.02488
1	0.0228004	13355.295169	2.809	1.01433
2	0.0288003	176.679965	1.887	1.00557
3	0.033167	68.152246	1.435	1.00180
4	0.036435	37.280424	1.171	1.00034
5	0.039013	25.632646	1.000	1.00000
6	0.041054	19.695260	0.881	1.00021
7	0.042718	16.201179	0.793	1.00069
8	0.044099	13.937530	0.727	1.00129
9	0.045266	12.367736	0.675	1.00194
10	0.047113	10.035354	0.598	1.00322
12	0.048518	9.128934	0.544	1.00444
14	0.049620	8.311413	0.505	1.00547
16	0.050507	7.729215	0.475	1.00640
18	0.051256	7.294538	0.452	1.00721
20	0.052595	6.575948	0.410	1.00885
25	0.053535	6.138736	0.383	1.01008
30	0.054223	5.845308	0.363	1.01102
35	0.054749	5.634976	0.349	1.01177
40	0.055163	5.476915	0.338	1.01238
45	0.055499	5.353839	0.330	1.01288
50	0.055776	5.255313	0.323	1.01330
55	0.056008	5.174670	0.317	1.01366
60				

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.017757	663.744872	6.310	1.03813
1	0.029070	1313.987056	3.178	1.01727
2	0.036983	170.182650	2.138	1.00773
3	0.042814	63.377324	1.628	1.00318
4	0.047270	35.558145	1.329	1.00108
5	0.050774	24.358220	1.135	1.00021
6	0.053596	18.657943	1.000	1.00000
7	0.055916	15.307390	0.901	1.00014
8	0.057856	13.138864	0.825	1.00047
9	0.059500	11.636012	0.765	1.00089
10	0.062135	9.709470	0.677	1.00184
11	0.064154	8.539182	0.616	1.00279
12	0.065748	7.758443	0.571	1.00367
13	0.067039	7.202705	0.537	1.00447
14	0.068106	6.787945	0.510	1.00519
15	0.070106	6.102600	0.461	1.00667
16	0.071499	5.635821	0.430	1.00780
17	0.072524	5.406197	0.408	1.00869
18	0.073311	5.205303	0.391	1.00940
19	0.073934	5.055245	0.379	1.00999
20	0.074433	4.938023	0.369	1.01047
25	0.074857	4.844193	0.360	1.01088
30	0.075208	4.767401	0.354	1.01123

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
8	0.021058	782.395.364106	6.959	1.04068
1	0.034739	1283.975147	3.514	1.01973
2	0.044430	165.412409	2.368	1.00967
3	0.051693	61.326945	1.803	1.00457
4	0.057285	34.280028	1.475	1.00197
5	0.061724	23.409439	1.260	1.00069
6	0.065328	17.883814	1.110	1.00014
7	0.068310	14.639070	1.000	1.00000
8	0.070828	12.540631	0.916	1.00010
9	0.072956	11.087245	0.849	1.00033
10	0.074405	9.922530	0.791	1.00098
11	0.076067	8.909513	0.683	1.00172
12	0.077906	7.341371	0.633	1.00245
13	0.081182	6.805347	0.594	1.00315
14	0.082904	6.405266	0.563	1.00376
15	0.084332	6.144404	0.509	1.00508
16	0.087025	5.342655	0.474	1.00612
17	0.088913	5.073176	0.449	1.00696
18	0.090310	4.880087	0.430	1.00763
19	0.091338	4.735026	0.416	1.00818
20	0.092239	4.622097	0.404	1.00865
25	0.093508	4.531709	0.395	1.00904
30	0.093993	4.457737	0.387	1.00938

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.023978	772547.509131	7.5444	1.04272
1	0.039804	1261.287900	3.818	1.02180
2	0.051174	161.772476	2.578	1.01138
3	0.059740	59.753443	1.967	1.00587
4	0.066412	33.295367	1.609	1.00289
5	0.071748	22.676449	1.376	1.00129
6	0.076110	17.284404	1.212	1.00047
7	0.079741	14.120669	1.092	1.00010
8	0.082809	12.075913	1.000	1.00000
9	0.085437	10.660421	0.927	1.00007
10	0.087701	8.848100	0.820	1.000047
11	0.089301	7.748602	0.745	1.000102
12	0.090566	7.015757	0.690	1.000161
13	0.091782	6.494459	0.647	1.000213
14	0.092962	6.105600	0.613	1.000272
15	0.103039	5.463433	0.553	1.000390
16	0.105447	5.073145	0.514	1.000485
17	0.107237	4.811392	0.486	1.000563
18	0.108619	4.623855	0.466	1.000626
19	0.109719	4.492973	0.450	1.000679
20	0.110613	4.373303	0.437	1.000723
25	0.111359	4.285526	0.427	1.000761
30	0.111986	4.213693	0.418	1.000794

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.026555	764992.925695	8.071	1.04439
1	0.044311	1243.593059	4.095	1.02355
2	0.057196	158.909681	2.770	1.01289
3	0.066988	58.509607	2.117	1.00707
4	0.074671	32.514309	1.733	1.00380
5	0.080856	22.093529	1.482	1.00194
6	0.085940	16.806784	1.307	1.00089
7	0.090194	13.706934	1.178	1.00033
8	0.093805	11.704526	1.073	1.00007
9	0.096909	10.318929	1.000	1.00000
10	0.101973	8.545686	0.884	1.00013
11	0.105928	7.470332	0.803	1.00056
12	0.109104	6.753905	0.743	1.00102
13	0.111710	6.244358	0.697	1.00150
14	0.113889	5.864325	0.660	1.00196
15	0.115803	5.236843	0.595	1.00300
16	0.117097	4.855339	0.552	1.00387
17	0.118231	4.599833	0.521	1.00459
18	0.119286	4.416636	0.489	1.00519
19	0.120223	4.279017	0.461	1.00566
20	0.121032	4.171887	0.437	1.00611
25	0.122824	4.086144	0.456	1.00648
30	0.122902	4.015975	0.447	1.00679

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
12	1 0.030852	754243.757405	8.980	1.04695
	2 0.051902	1217.880241	4.577	1.02633
	3 0.067420	154.705967	3.107	1.01539
	4 0.079372	56.671572	2.380	1.00916
	5 0.088864	31.355143	1.953	1.00547
	6 0.096585	21.225648	1.673	1.00323
	7 0.102992	16.093897	1.476	1.00184
	8 0.108397	13.088139	1.331	1.00098
	9 0.113019	11.148113	1.219	1.00047
	10 0.117018	9.806550	1.131	1.00018
	11 0.120597	8.090844	1.000	1.00000
	12 0.123597	7.051149	0.903	1.00011
	13 0.126136	6.358690	0.839	1.00035
	14 0.128786	5.866377	0.786	1.00066
	15 0.131457	5.499271	0.744	1.00098
	16 0.134157	4.893245	0.670	1.00173
	17 0.136880	4.523025	0.620	1.00250
	18 0.139611	4.278095	0.535	1.00311
	19 0.142336	4.101130	0.553	1.00362
	20 0.145021	3.963274	0.533	1.00408
	21 0.147754	3.364807	0.522	1.00446
	22 0.15058	3.781990	0.509	1.00480
	23 0.160125	3.714211	0.498	1.00509

CONFIDENCE LEVEL=.999
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
14	1 0.0334261	747024.209842	9.733	1.04981
	2 0.057984	1200.174231	4.981	1.02344
	3 0.075682	151.776040	3.392	1.01737
	4 0.089454	55.381140	2.605	1.01039
	5 0.100490	30.537270	2.141	1.00692
	6 0.109542	20.611030	1.837	1.00447
	7 0.117107	15.587567	1.623	1.00279
	8 0.123530	12.647582	1.464	1.00172
	9 0.129056	10.751165	1.343	1.00102
	10 0.133862	9.440376	1.245	1.00056
	11 0.138211	7.764840	1.102	1.00011
	12 0.141814	6.749954	1.000	1.00000
	13 0.145330	6.074205	0.924	1.00007
	14 0.148149	5.593848	0.856	1.00023
	15 0.151592	5.235689	0.819	1.00045
	16 0.154820	4.644453	0.736	1.00104
	17 0.157325	4.285198	0.680	1.00162
	18 0.160066	4.044252	0.641	1.00213
	19 0.162805	3.871600	0.612	1.00259
	20 0.165453	3.741878	0.589	1.00298
	21 0.168026	3.640875	0.570	1.00333
	22 0.170607	3.560021	0.555	1.00363
	23 0.173747	3.493841	0.543	1.00390

CONFIDENCE LEVEL=.999
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.037013	741875.544866	10.363	1.05021
1	0.062934	1187.282389	5.324	1.03008
2	0.082450	149.621715	3.635	1.01895
3	0.097759	54.426731	2.798	1.01231
4	0.110116	29.929934	2.304	1.00916
5	0.120316	20.153253	1.979	1.00547
6	0.128892	15.209542	1.751	1.00367
7	0.136211	12.318010	1.581	1.00245
8	0.142536	10.453714	1.450	1.00161
9	0.148062	9.165579	1.346	1.00102
10	0.157265	7.519582	1.191	1.00035
11	0.164631	6.522901	1.082	1.00007
12	0.170666	5.859382	1.000	1.00000
13	0.175707	5.387754	0.937	1.00005
14	0.179982	5.036107	0.886	1.00016
15	0.188292	4.455587	0.795	1.00053
16	0.194332	4.102733	0.734	1.00104
17	0.198911	3.866114	0.691	1.00147
18	0.202522	3.696490	0.659	1.00186
19	0.205433	3.569019	0.634	1.00221
20	0.207833	3.469750	0.613	1.00253
21	0.209842	3.390270	0.597	1.00280
22	0.211553	3.325205	0.583	1.00304

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
18	0.039274	738034.933696	10.899	1.05131
1	0.067026	1177.487022	5.615	1.03140
2	0.088074	147.973234	3.845	1.02034
3	0.104691	53.692891	2.966	1.01350
4	0.118183	29.461416	2.446	1.00922
5	0.129379	20.789231	2.104	1.00640
6	0.138334	14.916614	1.863	1.00447
7	0.146943	12.062204	1.684	1.00313
8	0.153977	10.222508	1.546	1.00219
9	0.160145	8.951713	1.436	1.00150
10	0.167046	7.322929	1.272	1.00066
11	0.178768	6.345504	1.155	1.00023
12	0.185606	5.691291	1.063	1.00005
13	0.191341	5.226283	1.000	1.00000
14	0.196222	4.837956	0.946	1.00003
15	0.205758	4.307101	0.848	1.00030
16	0.212729	3.959110	0.783	1.00065
17	0.218052	3.725608	0.736	1.00100
18	0.222225	3.558211	0.701	1.00134
19	0.225653	3.432333	0.674	1.00165
20	0.228463	3.334372	0.652	1.00193
21	0.230824	3.255384	0.634	1.00213
22	0.232837	3.191619	0.619	1.00240

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
20	0.0041160	735068.765898	11.357	1.05219
1	0.0070457	1159.826597	5.869	1.03247
2	0.0092810	146.672258	4.027	1.02132
3	0.0105511	53.111430	3.113	1.01451
4	0.0125035	29.089158	2.571	1.01014
5	0.0137089	19.517360	2.214	1.00721
6	0.0147320	14.692994	1.963	1.00516
7	0.0156122	11.857903	1.775	1.00376
8	0.0163784	10.037630	1.631	1.00272
9	0.0170523	8.780317	1.515	1.00196
10	0.0176184	7.8174897	1.433	1.00139
11	0.0180997	7.0203018	1.342	1.00098
12	0.0185166	6.3556099	1.279	1.00066
13	0.0188937	5.8062653	1.221	1.00045
14	0.0192377	5.353378	1.172	1.00031
15	0.0195533	4.987163	1.131	1.00020
16	0.0198499	4.6842867	1.097	1.00013
17	0.0201266	4.441775	1.062	1.00009
18	0.0203891	4.246058	1.037	1.00006
19	0.0206355	4.0921459	1.011	1.00004
20	0.0208755	3.972333	0.987	1.00001
21	0.0211094	3.88226	0.968	1.00001
22	0.0213378	3.81466	0.952	1.00001
23	0.0215611	3.76294	0.938	1.00001
24	0.0217798	3.72141	0.925	1.00001
25	0.0219944	3.68841	0.913	1.00001
26	0.0222054	3.66256	0.902	1.00001
27	0.0224124	3.64247	0.892	1.00001
28	0.0226158	3.62789	0.882	1.00001
29	0.0228151	3.61841	0.873	1.00001
30	0.0229999	3.61394	0.864	1.00001
31	0.0231798	3.61041	0.856	1.00001
32	0.0233544	3.60789	0.848	1.00001
33	0.0235244	3.60537	0.841	1.00001
34	0.0236894	3.60289	0.834	1.00001
35	0.0238499	3.60041	0.827	1.00001
36	0.0240054	3.59794	0.821	1.00001
37	0.0241564	3.59547	0.815	1.00001
38	0.0243024	3.59301	0.809	1.00001
39	0.0244439	3.59054	0.803	1.00001
40	0.0245804	3.58814	0.797	1.00001
41	0.0247124	3.58574	0.792	1.00001
42	0.0248394	3.58334	0.786	1.00001
43	0.0249614	3.58094	0.781	1.00001
44	0.0250789	3.57854	0.775	1.00001
45	0.0251914	3.57614	0.770	1.00001
46	0.0252989	3.57374	0.765	1.00001
47	0.0254014	3.57134	0.760	1.00001
48	0.0255004	3.56894	0.755	1.00001
49	0.0255954	3.56654	0.750	1.00001
50	0.0256859	3.56414	0.745	1.00001
51	0.0257714	3.56174	0.740	1.00001
52	0.0258524	3.55934	0.735	1.00001
53	0.0259289	3.55694	0.730	1.00001
54	0.0260004	3.55454	0.725	1.00001
55	0.0260669	3.55214	0.720	1.00001
56	0.0261284	3.54974	0.715	1.00001
57	0.0261854	3.54734	0.710	1.00001
58	0.0262379	3.54494	0.705	1.00001
59	0.0262854	3.54254	0.700	1.00001
60	0.0263279	3.54014	0.695	1.00001

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
25	0.0044736	729974.657478	12.259	1.05379
1	0.00777000	1156.386702	6.372	1.03445
2	0.0101890	144.372253	4.333	1.02334
3	0.0121844	52.073016	3.409	1.01644
4	0.0133266	28.425148	2.925	1.01163
5	0.0142069	19.013188	2.544	1.00883
6	0.0148863	14.464194	2.267	1.00667
7	0.0154083	11.490966	1.964	1.00508
8	0.0158303	9.705027	1.807	1.00350
9	0.0161955	8.472074	1.682	1.00300
10	0.0165363	7.6897808	1.594	1.00173
11	0.0168211	7.045090	1.533	1.00104
12	0.01707437	6.5310943	1.458	1.00058
13	0.01729175	6.060070	1.379	1.00030
14	0.01748225	5.623331	1.295	1.00013
15	0.01765199	5.228275	1.200	1.00000
16	0.01780792	4.8630193	1.102	1.00007
17	0.01795371	4.5203086	1.000	1.00022
18	0.01809341	4.2040000	0.923	1.00040
19	0.01822753	3.9117465	0.863	1.00059
20	0.01835790	3.6392229	0.797	1.00077
21	0.01848471	3.3945229	0.741	1.00094
22	0.01860932	3.183441	0.722	1.00110
23	0.01873232	2.992441	0.702	1.00126
24	0.01885332	2.827441	0.682	1.00141
25	0.01897232	2.686441	0.662	1.00156
26	0.01908932	2.566441	0.642	1.00171
27	0.01920432	2.465441	0.622	1.00186
28	0.01931732	2.380441	0.602	1.00201
29	0.01942832	2.309441	0.582	1.00216
30	0.01953732	2.250441	0.562	1.00231
31	0.01964432	2.199441	0.542	1.00246
32	0.01974932	2.155441	0.522	1.00261
33	0.01985232	2.117441	0.502	1.00276
34	0.01995332	2.084441	0.482	1.00291
35	0.02005232	2.055441	0.462	1.00306
36	0.02014932	2.030441	0.442	1.00321
37	0.02024432	2.008441	0.422	1.00336
38	0.02033732	1.989441	0.402	1.00351
39	0.02042832	1.972441	0.382	1.00366
40	0.02051732	1.957441	0.362	1.00381
41	0.02060432	1.943441	0.342	1.00396
42	0.02068932	1.930441	0.322	1.00411
43	0.02077232	1.918441	0.302	1.00426
44	0.02085332	1.907441	0.282	1.00441
45	0.02093232	1.897441	0.262	1.00456
46	0.02100932	1.888441	0.242	1.00471
47	0.02108432	1.880441	0.222	1.00486
48	0.02115732	1.873441	0.202	1.00501
49	0.02122832	1.867441	0.182	1.00516
50	0.02129732	1.862441	0.162	1.00531
51	0.02136432	1.857441	0.142	1.00546
52	0.02142932	1.853441	0.122	1.00561
53	0.02149232	1.849441	0.102	1.00576
54	0.02155332	1.846441	0.082	1.00591
55	0.02161232	1.843441	0.062	1.00606
56	0.02166932	1.840441	0.042	1.00621
57	0.02172432	1.837441	0.022	1.00636
58	0.02177732	1.834441	0.002	1.00651
59	0.02182832	1.831441	0.002	1.00666
60	0.02187732	1.828441	0.002	1.00681

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
30	0.047251	726757.996903	12.921	1.054835
1	0.0081634	1147.698147	6.746	1.03580
2	0.108359	142.870028	4.663	1.02476
3	0.129928	51.398982	3.634	1.01783
4	0.147796	27.987041	3.019	1.01324
5	0.162900	18.679490	2.614	1.01008
6	0.175876	13.986287	2.326	1.00780
7	0.187173	11.246939	2.112	1.00612
8	0.197116	9.483406	1.945	1.00485
9	0.205950	8.266194	1.812	1.00387
10	0.220993	6.712294	1.613	1.00250
11	0.233361	5.771949	1.470	1.00162
12	0.243737	5.145945	1.362	1.00104
13	0.252582	4.700324	1.277	1.00065
14	0.260222	4.368745	1.209	1.00039
15	0.2675467	3.813830	1.084	1.00007
16	0.286903	3.465499	1.000	1.00000
17	0.309819	3.260720	0.939	1.00004
18	0.3302975	3.093277	0.856	1.00014
19	0.308851	2.977715	0.856	1.00026
20	0.313766	2.882875	0.826	1.00038
21	0.317939	2.806818	0.801	1.00051
22	0.321527	2.744463	0.781	1.00064

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
35	0.049114	724550.347690	13.427	1.05561
1	0.085081	1141.629156	7.034	1.03673
2	0.113191	141.812835	4.882	1.02580
3	0.135992	50.919046	3.809	1.01886
4	0.154968	27.676463	3.172	1.01424
5	0.171077	19.442336	2.751	1.01102
6	0.184973	13.788452	2.453	1.00869
7	0.197115	11.072940	2.230	1.00696
8	0.207840	9.323155	2.056	1.00563
9	0.217399	8.113991	1.913	1.00459
10	0.233749	6.570343	1.710	1.00311
11	0.247265	5.647615	1.560	1.00213
12	0.258658	5.027265	1.447	1.00147
13	0.268413	4.586071	1.358	1.00100
14	0.276872	4.256835	1.286	1.00063
15	0.293851	3.712351	1.153	1.00022
16	0.306681	3.380449	1.065	1.00004
17	0.316744	3.157123	1.000	1.00000
18	0.324863	2.996599	0.950	1.00003
19	0.331558	2.875642	0.911	1.00009
20	0.337178	2.781214	0.879	1.00017
21	0.341966	2.703440	0.853	1.00026
22	0.346095	2.643281	0.830	1.00036

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
40	0.050547	44.415345	13.825	1.05618
2	0.087743	1137.154040	7.263	1.03752
3	0.116935	141.023391	5.052	1.02659
4	0.140703	50.561970	3.951	1.01966
5	0.160554	27.444864	3.296	1.01502
6	0.177463	18.265270	2.863	1.01177
7	0.192093	13.640456	2.553	1.00940
8	0.204914	10.942613	2.326	1.00763
9	0.216270	9.206491	2.148	1.00626
10	0.226417	8.008499	2.005	1.00519
11	0.234383	6.479367	1.790	1.00363
12	0.240329	5.533966	1.635	1.00259
13	0.24466	4.927743	1.513	1.00186
14	0.248104	4.493395	1.426	1.00134
15	0.250187	4.172203	1.351	1.00095
16	0.250863	3.930347	1.214	1.00040
17	0.252656	3.700603	1.121	1.00014
18	0.253371	3.507825	1.052	1.00003
19	0.254269	3.391323	1.000	1.00000
20	0.255008	3.279765	0.950	1.00000
25	0.255632	2.703434	0.925	1.00000
30	0.256166	2.627784	0.897	1.00012
35	0.256627	2.565693	0.873	1.00019

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
45	0.051683	721725.204956	14.149	1.05663
2	0.089959	1133.719437	7.449	1.03810
3	0.119921	140.424516	5.192	1.02722
4	0.144466	50.285935	4.067	1.02030
5	0.165026	27.265546	3.357	1.01565
6	0.182585	18.127947	3.055	1.01238
7	0.197814	13.525382	2.641	1.00990
8	0.211192	10.841353	2.406	1.00813
9	0.223066	9.114211	2.224	1.00670
10	0.233699	7.922303	2.078	1.00569
11	0.243199	5.401441	1.857	1.00408
12	0.251672	5.480875	1.699	1.00299
13	0.258018	4.867739	1.573	1.00221
14	0.263913	4.431590	1.434	1.00165
15	0.269107	4.105927	1.407	1.00123
16	0.273773	3.566873	1.266	1.00059
17	0.277828	3.237805	1.169	1.00026
18	0.281478	3.016065	1.098	1.00009
19	0.284744	2.856459	1.043	1.00002
20	0.287220	2.736034	1.000	1.00000
25	0.287811	2.641906	0.965	1.00001
30	0.288315	2.566287	0.935	1.00005
35	0.288315	2.504189	0.911	1.00009

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
50	0.052606	720768.878863	14.415	1.05698
1	0.091532	1131.001294	7.603	1.03857
2	0.122351	139.944456	5.303	1.02774
3	0.147540	50.066316	4.163	1.02082
4	0.168685	27.122614	3.483	1.01616
5	0.186782	18.013369	3.033	1.01288
6	0.202510	13.433332	2.713	1.01047
7	0.216352	10.750412	2.474	1.00865
8	0.228660	9.040394	2.288	1.00723
9	0.239700	7.853668	2.139	1.00611
10	0.258745	6.338938	1.915	1.00446
11	0.274656	5.422234	1.753	1.00333
12	0.283205	4.811608	1.630	1.00252
13	0.299907	4.377032	1.533	1.00193
14	0.310137	4.052603	1.455	1.00148
15	0.330932	3.513293	1.310	1.00077
16	0.346876	3.187092	1.211	1.00038
17	0.359555	2.965790	1.138	1.00017
18	0.369900	2.806400	1.081	1.00006
19	0.378515	2.686068	1.037	1.00001
20	0.385908	2.591950	1.000	1.00000
25	0.392069	2.516317	0.970	1.00001
30	0.397504	2.454170	0.944	1.00003

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
55	0.053371	719999.939225	14.638	1.05727
1	0.093301	11239.796812	7.733	1.03896
2	0.124373	139.553933	5.406	1.02816
3	0.150098	49.887333	4.245	1.02125
4	0.171734	27.006023	3.555	1.01659
5	0.190284	17.923303	3.099	1.01320
6	0.206433	13.353863	2.775	1.01088
7	0.220667	10.694233	2.532	1.00904
8	0.233344	8.930014	2.344	1.00761
9	0.244730	7.797321	2.193	1.00648
10	0.264411	6.237313	1.965	1.00430
11	0.280397	5.371133	1.800	1.00362
12	0.294962	4.755430	1.675	1.00280
13	0.307136	4.332303	1.577	1.00218
14	0.317301	4.003732	1.497	1.00171
15	0.339533	3.472823	1.349	1.00094
16	0.356275	3.145262	1.248	1.00051
17	0.369626	2.924255	1.173	1.00026
18	0.380549	2.765006	1.115	1.00012
19	0.389668	2.644705	1.069	1.00005
20	0.397406	2.550573	1.031	1.00001
25	0.404061	2.474373	1.000	1.00000
30	0.409350	2.412651	0.973	1.00001

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
60	1 0.054014	71 366.136303	1 4.8227	1 .05751
2	0.0594215	11 26.973301	1 7.844	1 .03928
3	0.1226079	13 9.230197	5 .490	1 .02351
4	0.1552259	14 9.733709	4 .316	1 .02162
5	0.1743133	26 .909103	3 .617	1 .01696
6	0.1933249	17 .854480	3 .156	1 .01366
7	0.2097588	13 .896464	2 .838	1 .01223
8	0.2243229	10 .639115	2 .582	1 .00938
9	0.2373222	8 .929631	2 .392	1 .00794
10	0.2490006	7 .750346	2 .239	1 .00679
11	0.2692366	6 .245116	2 .008	1 .00509
12	0.2862218	5 .333976	1 .843	1 .00390
13	0.3007321	4 .726951	1 .715	1 .00304
14	0.3133211	4 .294355	1 .615	1 .00240
15	0.3243655	3 .972075	1 .534	1 .00191
16	0.3346923	3 .722255	1 .384	1 .00140
17	0.3464370	3 .510159	1 .281	1 .00064
18	0.3578318	3 .339373	1 .204	1 .00035
19	0.3689753	3 .200133	1 .145	1 .00019
20	0.3799331	3 .093379	1 .098	1 .00009
21	0.407470	3 .515696	1 .060	1 .00003
22	0.414432	2 .453920	1 .027	1 .00001
23	0.420591	2 .377609	1 .000	1 .00000

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

APPENDIX B

ILLUSTRATIONS

P
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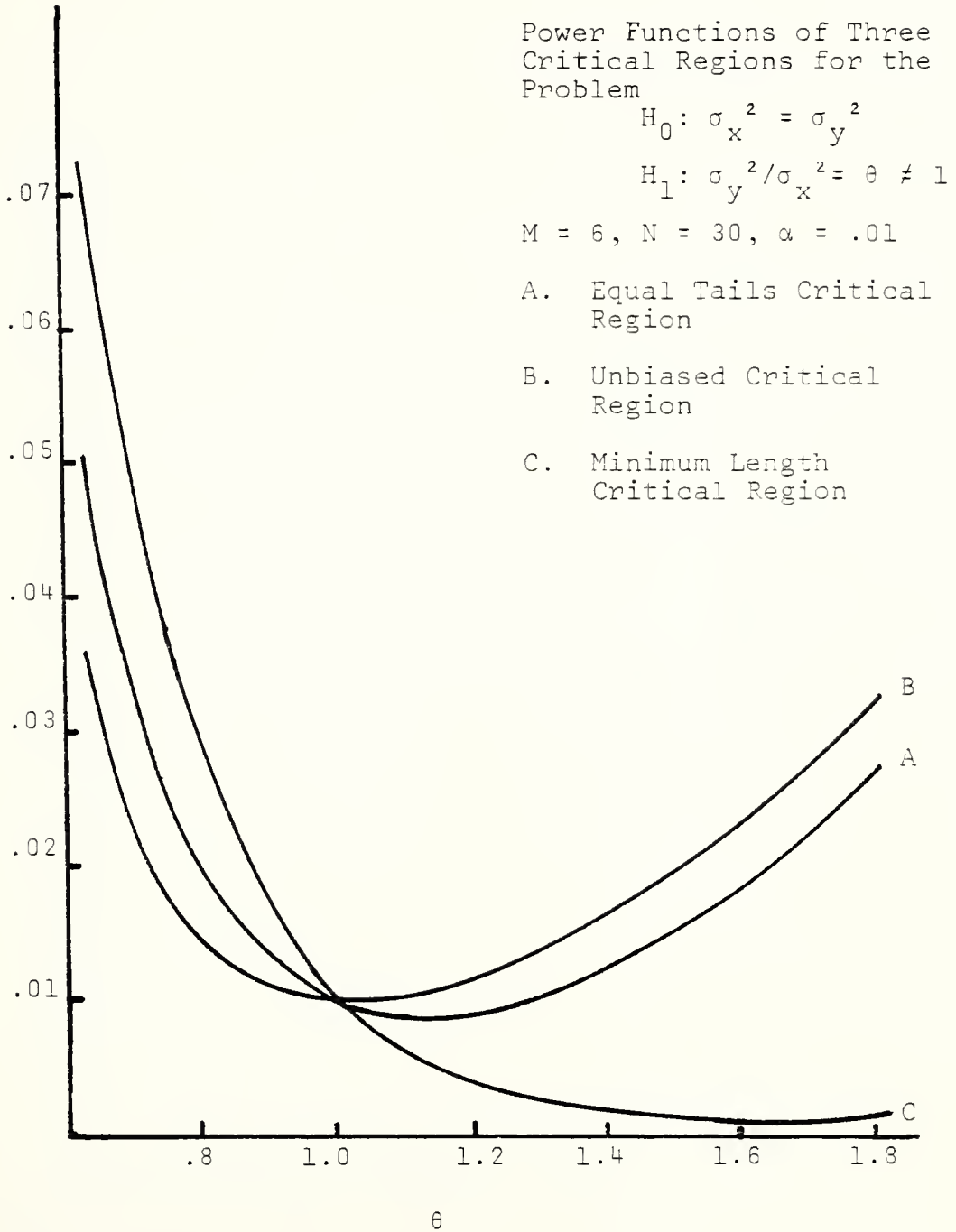
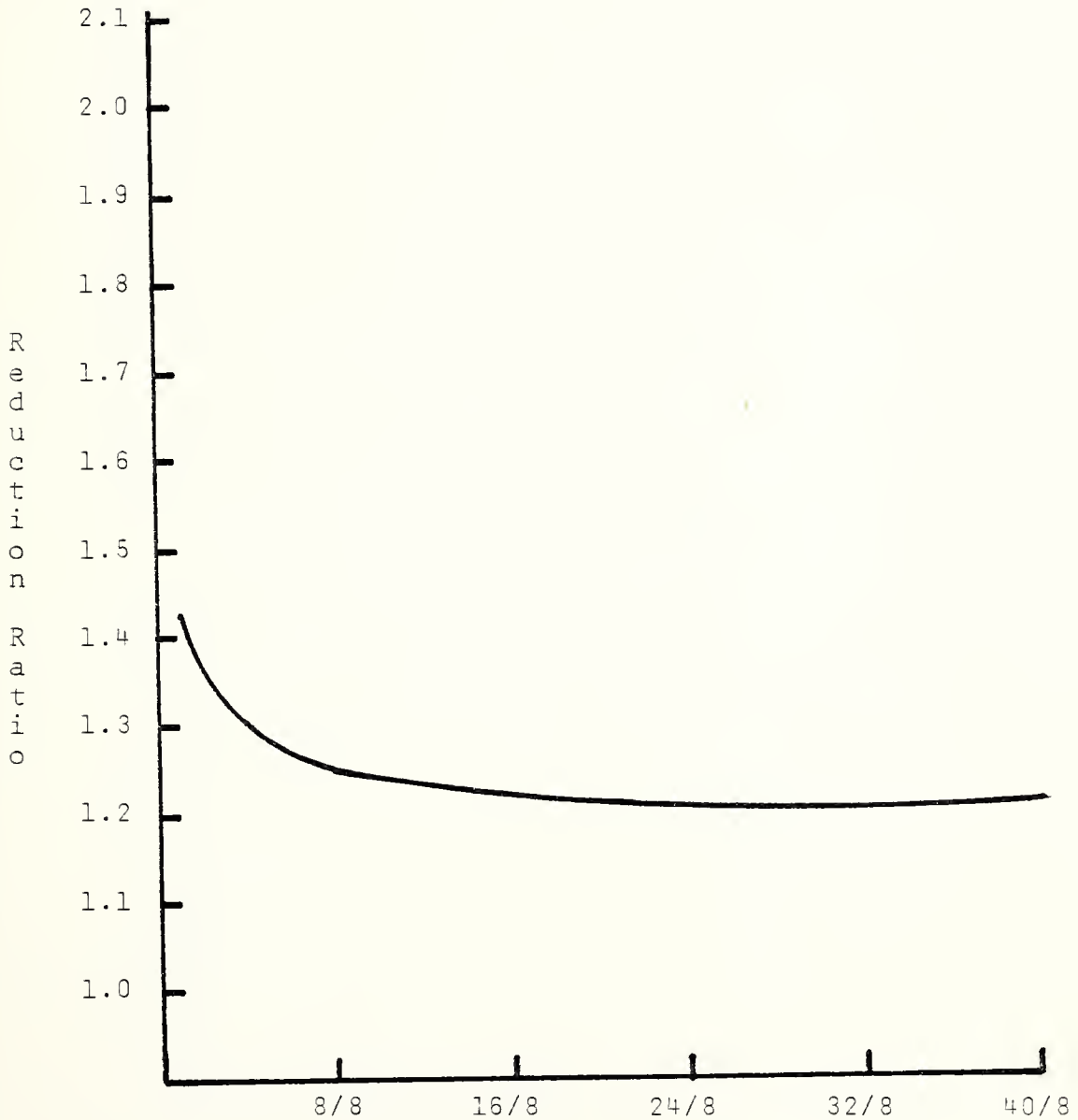


Figure 1

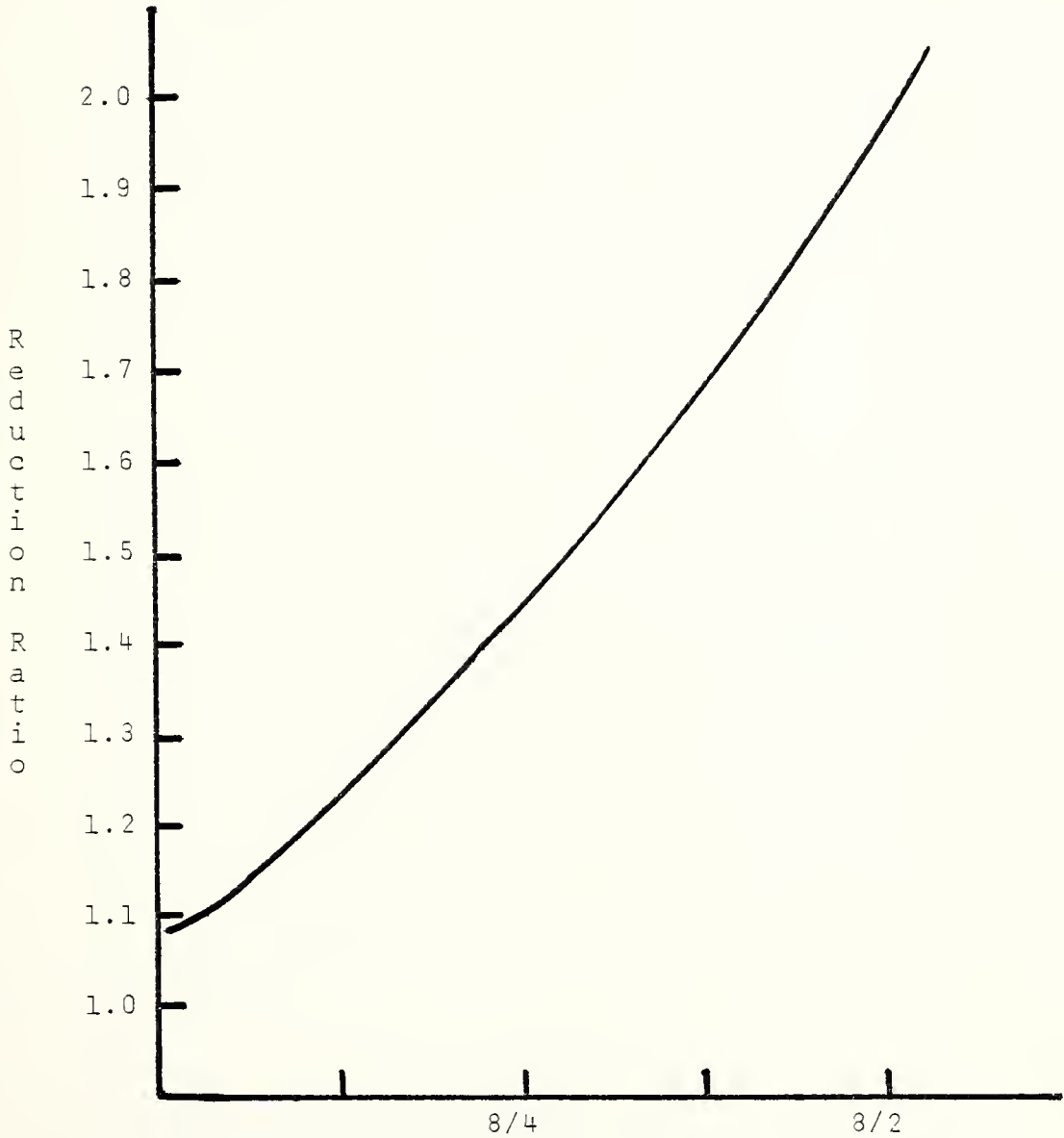
Reduction Ratio Resulting from
Use of Minimum Length Interval
for the Ratio of Variances in
Lieu of Equal Tail Interval



Ratio of Degrees of Freedom (M/N); N Fixed at 8; $\alpha = .05$

Figure 2

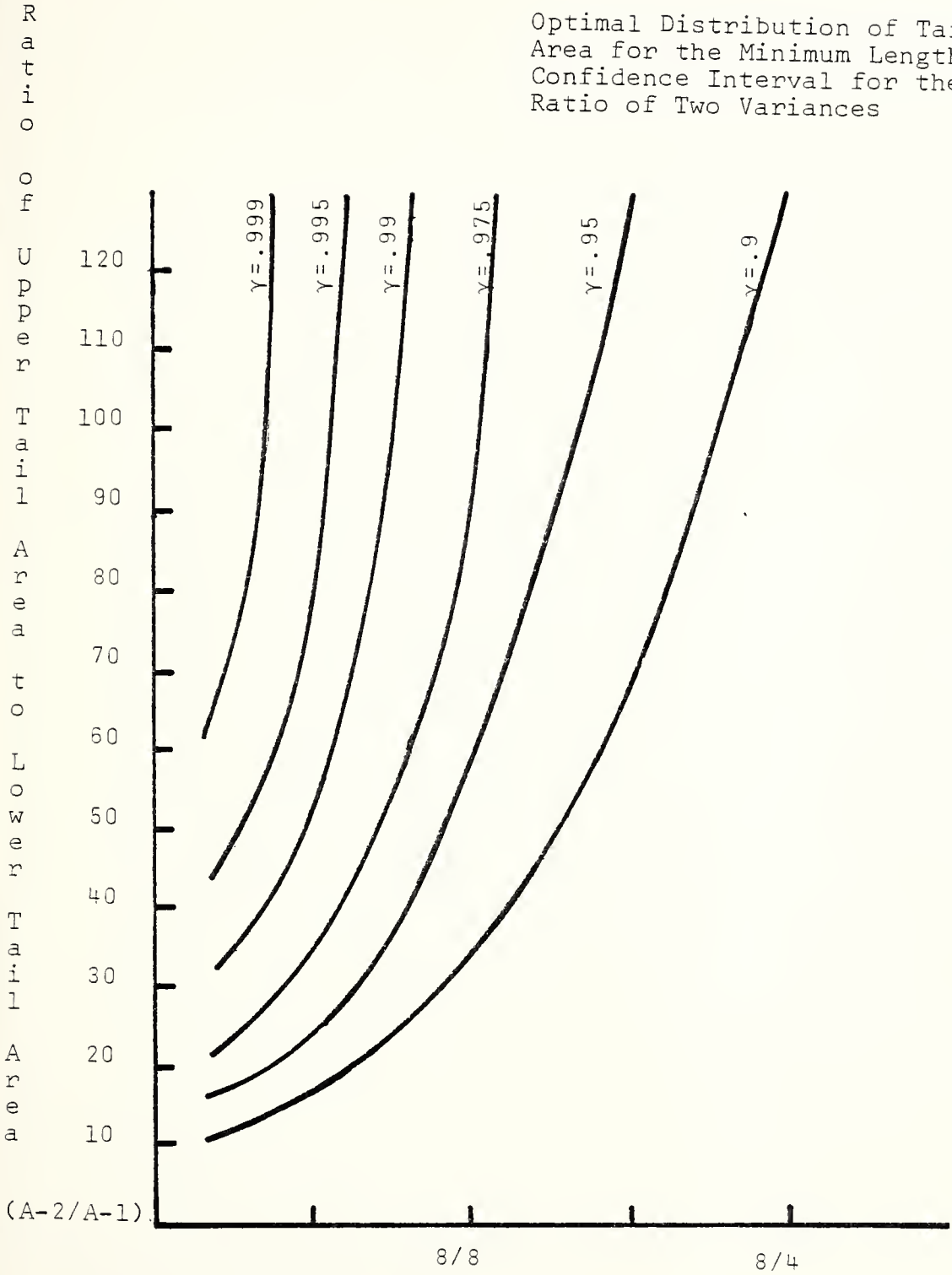
Reduction Ratio Resulting from
Use of Minimum Length Interval
for the Ratio of Variances in
Lieu of Equal Tail Interval



Ratio of Degrees of Freedom (M/N); M Fixed at 8; $\alpha = .05$

Figure 3

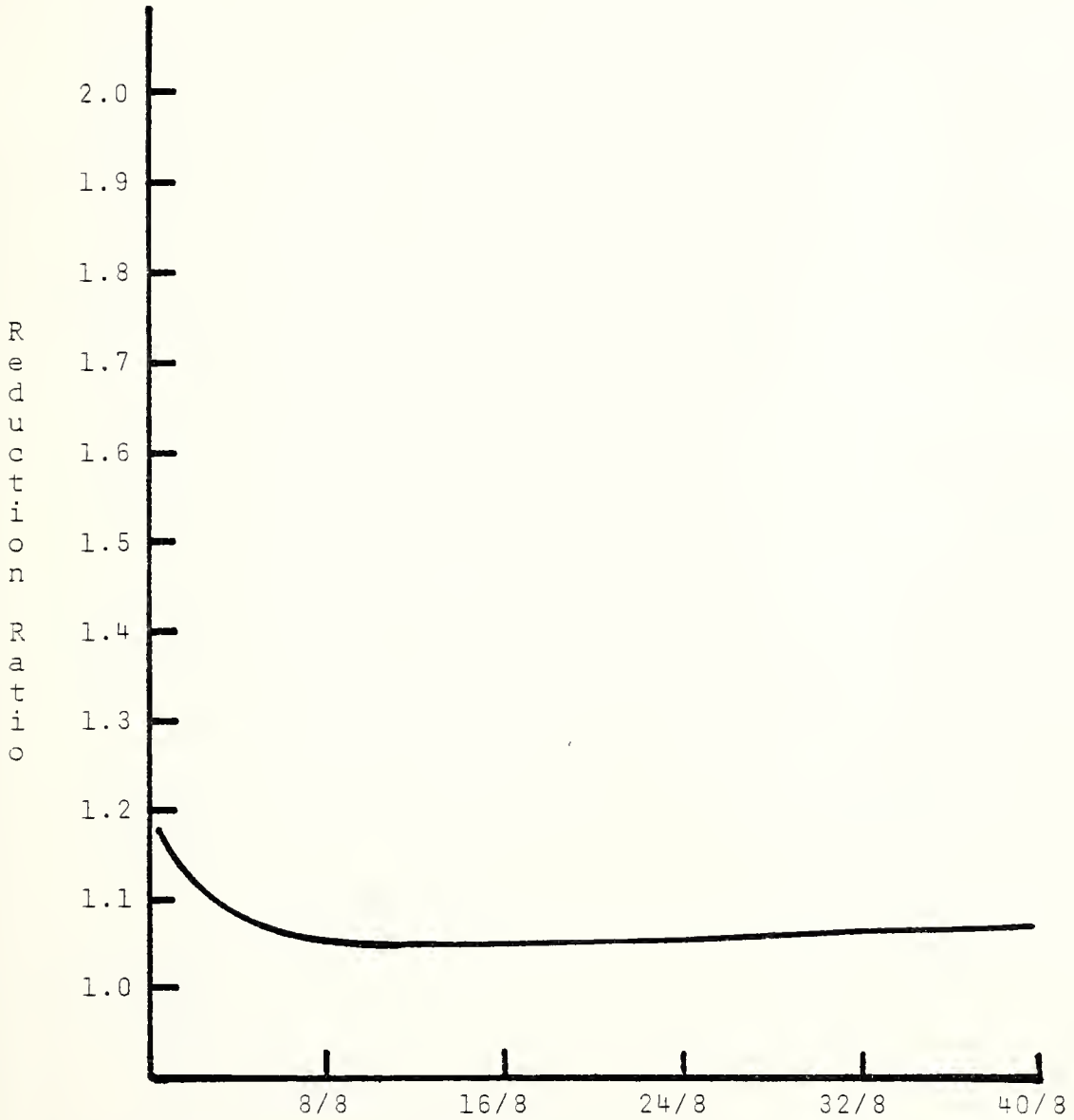
Optimal Distribution of Tail Area for the Minimum Length Confidence Interval for the Ratio of Two Variances



Ratio of Degrees of Freedom (M/N); M Fixed at 3

Figure 4

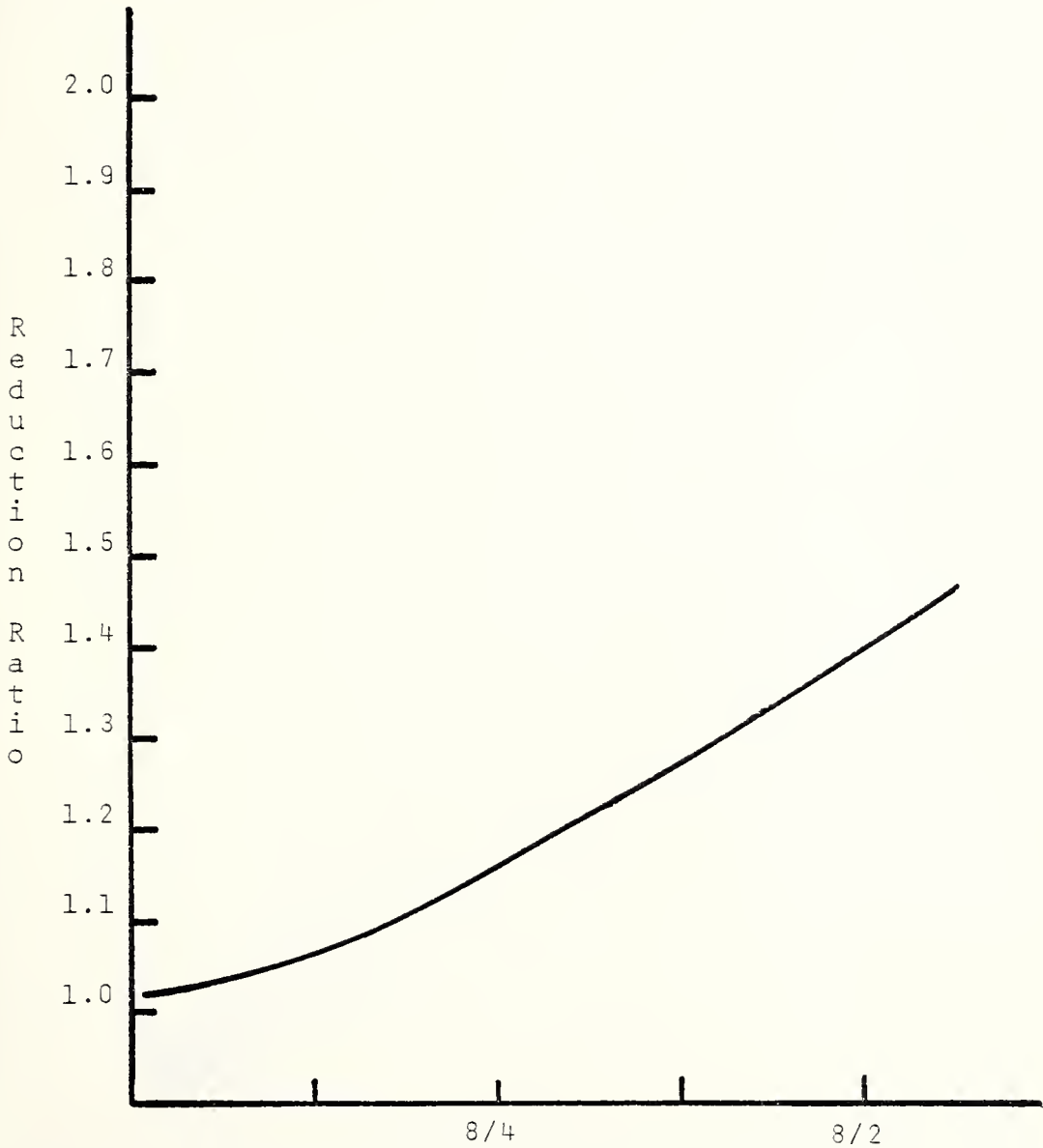
Reduction Ratio Resulting from
Use of Minimum Length Interval
for the Ratio of Standard
Deviations in Lieu of Equal
Tail Interval



Ratio of Degrees of Freedom (M/N); N Fixed at 8; $\alpha = .05$

Figure 5

Reduction Ratio Resulting from
Use of Minimum Length Interval
for Ratio of Standard Deviations
in Lieu of Equal Tails



Ratio of Degrees of Freedom (M/N); M Fixed at 8; $\alpha = .05$

Figure 6

Optimal Distribution of Tail
Area for the Ratio of Two
Standard Deviations

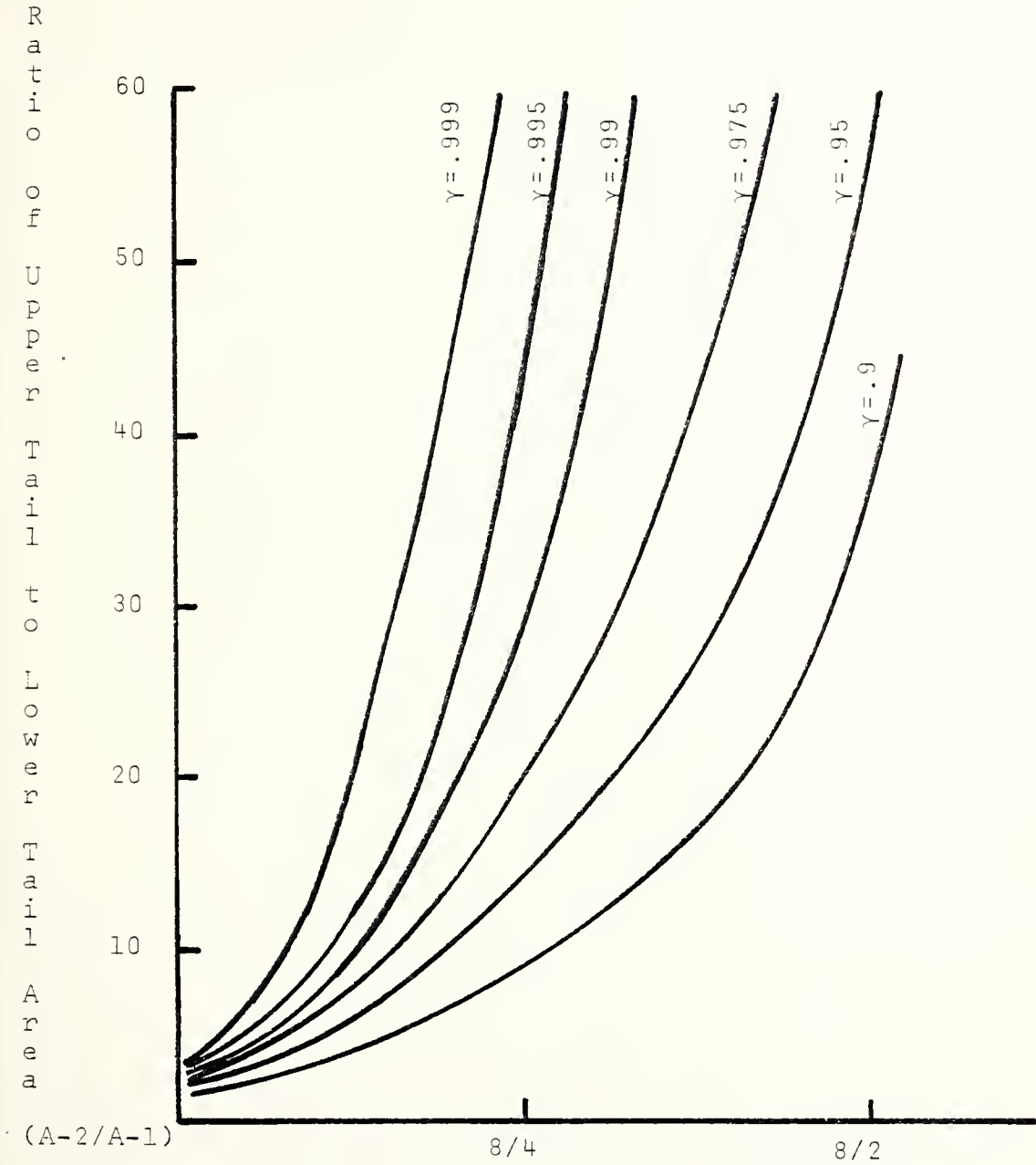


Figure 7

APPENDIX C
MATHEMATICAL DERIVATIONS

This thesis solved three parameterizations of the same non-linear programming problem. They were

$$(1) \phi_1 = C2 - C1$$

$$\text{Subject to: } \int_{C1}^{C2} h_{M,N}(x)dx = \gamma$$

$$(2) \phi_2 = \sqrt{C2} - \sqrt{C1}$$

$$\text{Subject to: } \int_{C1}^{C2} h_{M,N}(x)dx = \gamma$$

$$(3) \phi_3 = \log \left[\frac{C2}{C1} \right]$$

$$\text{Subject to: } \int_{C1}^{C2} h_{M,N}(x)dx = \gamma$$

After some study, it was found that each of these problems was unimodal and continuous over the range of a single, arbitrary decision variable, $C1$. Because of these properties, the problems could have been solved by either the golden section search scheme or the bisection search method. The published values in Appendix A were obtained as solutions from the bisection search method.

The bisection procedure used was as follows. An interval of the decision variable was suspected of containing the optimal value. In this thesis, the suspected interval was always $(0, H_{M,N}^{-1}(1-\gamma))$. The interval being searched was then split in half (bisected), and the sign of the derivative for the objective function was evaluated there. The derivatives of the three objective functions with respect to the decision variable $C1$ were:

$$\begin{aligned} (1) \quad \frac{d\phi_1}{dC1} &= \frac{\partial \phi_1}{\partial C2} \cdot \frac{dC2}{dC1} + \frac{\partial \phi_1}{\partial C1} \cdot \frac{dC1}{dC1} \\ &= \frac{dC2}{dC1} - 1 \end{aligned}$$

$$\begin{aligned} (2) \quad \frac{d\phi_2}{dC1} &= \frac{\partial \phi_2}{\partial C2} \cdot \frac{dC2}{dC1} + \frac{\partial \phi_2}{\partial C1} \cdot \frac{dC1}{dC1} \\ &= \frac{1}{2} (C2)^{-\frac{1}{2}} \cdot \frac{dC2}{dC1} - \frac{1}{2} (C1)^{-\frac{1}{2}} \cdot 1 \end{aligned}$$

$$\begin{aligned} (3) \quad \frac{d\phi_3}{dC1} &= \frac{\partial \phi_3}{\partial C2} \cdot \frac{dC2}{dC1} + \frac{\partial \phi_3}{\partial C1} \cdot \frac{dC1}{dC1} \\ &= \frac{1}{C2} \cdot \frac{dC2}{dC1} - \frac{1}{C1} \cdot 1 \end{aligned}$$

Since $\frac{dC1}{dC1}$ is the identity, the only remaining unknown in the derivations is $\frac{dC2}{dC1}$. This was then found by applying Leibniz' Rule and the Implicit Function Theorem to the constraint equation. The result was:

$$\int_{C1}^{C2} h_{M,N}(x) dx = \int_{C1}^{C2} \frac{K(x)^{\frac{M}{2}-1}}{[N+M \cdot x]^{\frac{M+N}{2}}} dx = \gamma$$

$$\text{and } \frac{dC2}{dC1} = \left[\frac{C1}{C2} \right]^{\frac{M}{2}-1} \cdot \left[\frac{N+M \cdot C2}{N+M \cdot C1} \right]^{\frac{M+N}{2}}$$

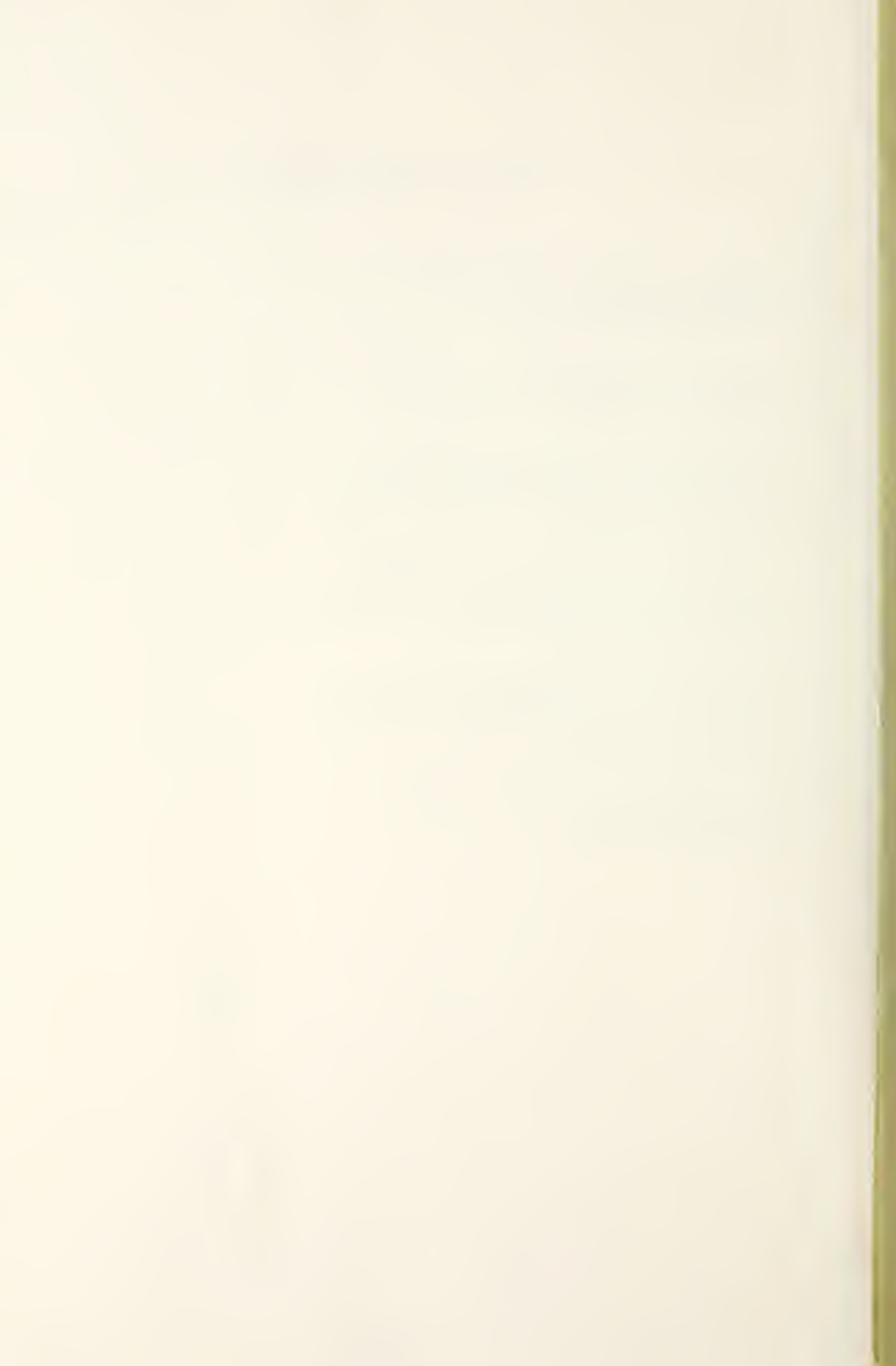
If, upon evaluation, the value of the appropriate derivative was positive, then the midpoint was chosen as the new upper bound on the search interval. Of course, if it was negative, this point became the lower bound on the search interval. This process was continued until the length of the search interval was less than a prescribed tolerance factor. For this thesis, this factor was 10^{-8} . Once the length of the search interval was less than this, the midpoint of the interval remaining was selected as the solution to C1. Once the optimal value of C1 was fixed, the probability in the lower tail (i.e., the area under the F density curve between 0 and C1) was determined. Subtracting this probability from $1-\gamma$ yielded the probability in the upper tail. Substituting this value into $H_{N,M}^{-1}$ gave $\frac{1}{C2}$ which, when inverted, resulted in the published value for C2.

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